

SA's LARGEST TECH MAGAZINE

tech smart™

getting smart with technology

FREE

bitdefender 2009
 the ultimate protection
 www.bitdefender.co.za
 011.789.6181

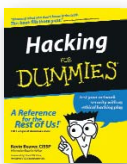


ISSN 1726-3358



Protect what's yours: We show you how

WIN! WIN! WIN!



THE SECURITY ISSUE

www.techsmart.co.za

ISSUE 70 July 2009

Avoid nasty high bill surprises!

Top Up ON THESE AWESOME BROADBAND DEALS

FREE E160 USB MODEM
On Extended Data 350MB
Subscription from **R169⁰⁰pm** incl VAT x 24 months
PLUS FREE 350MB Data pm
SIM & Connection worth R239 (incl VAT)



FREE K3565 USB MODEM
On MyMeg 250MB
Subscription from **R159⁰⁰pm** incl VAT x 24 months
PLUS FREE 250MB Data pm
SIM & Connection worth R202 (incl VAT)



FREE DESKTOP MODEM
On Giga 1GB
Subscription from **R239⁰⁰pm** incl VAT x 24 months
PLUS FREE 1GB Data Activation



FREE E230 USB MODEM
On Extended Data 500MB
Subscription from **R229⁰⁰pm** incl VAT x 24 months
PLUS FREE 500MB Data pm
SIM & Connection worth R239 (incl VAT)



FREE K3520 USB MODEM
On MyMeg 1GB
Subscription from **R329⁰⁰pm** incl VAT x 24 months
PLUS FREE 1GB Data pm
SIM & Connection worth R202 (incl VAT)



FREE DESKTOP MODEM
On Pro 3GB
Subscription from **R479⁰⁰pm** incl VAT x 24 months
PLUS FREE 3GB Data Activation



NEOTEL

You wear your heart where everyone can see it.
You're one in a million



NeoConnect Lite™ 99
Total monthly cost
R99⁰⁰ pm incl VAT

- This all-inclusive cost includes:
- Subject to upfront purchase of NeoConnect Lite™
 - Device fee at R599
 - No bundle included
 - A usage discount of R25 pm for 24 months
 - NeoMail Basic



NeoConnect Prime™ 2.5G
Total monthly cost
R399⁰⁰ pm incl VAT

- This all-inclusive cost includes:
- 2.5GB Internet data
 - 1000 FREE on-net minutes
 - 50 FREE on-net SMS + Neomail Basic
 - All monthly charges
 - Device charge



NeoConnect Prime™ 5G
Total monthly cost
R499⁰⁰ pm incl VAT

- This all-inclusive cost includes:
- 5GB Internet data
 - 1000 FREE on-net minutes
 - 15 FREE local & regional to Telkom off-net minutes
 - 50 FREE on-net SMS
 - NeoMail Advanced
 - All monthly charges
 - Device charge



NeoFlex Data™ 10G
Total monthly cost
R699⁰⁰ pm incl VAT

- This all-inclusive cost includes:
- Peak speeds of 3.1Mbps (downloads) and 1.8Mbps (uploads)
 - Average data speeds of between 450 to 900Kbps (downloads) and 300 to 700Kbps (uploads)
 - 4 Ethernet ports and LAN connectivity (up to 10 user internet access)
 - Additional data at 8c/MB
 - Wireless solution that can be used anywhere within your region of Neotel coverage

ALTECH
AUTOPAGE
CELLULAR
Getting it right for you, All Ways!

Neotel

VISIT ONE OF THE STORES LISTED BELOW

ALTECH
AUTOPAGE
CELLULAR
Getting it right for you, All Ways!

Menlyn Park Shopping Centre
Cavendish Court, Menlyn
Tel: (012) 348 7394/5

Brooklyn Mall
Shop 102, Fehrsen Street, Brooklyn
Tel: (012) 460 9213/4

Centurion Mall
Shop 271A, South Street, Centurion
Tel: (012) 663 5157

Glen Village Centre
cnr Hans Strydom & Olympus Drive, Faerie Glen
Tel: (012) 991 3659

Terms and Conditions:
Terms and conditions apply to all contract offers. All prices include VAT. You will be charged for the volume of data sent and received, and not the time you spend connected. Unused contract, Month-to-Month and Once-off packaged data expires at month end. Data, Voice and SMS Packages do not carry over. Once you have used your package, the applicable out-of-package rate will apply. The out-of-package data rates apply once the data package is exceeded. SMS messages are charged in accordance with prevailing tariff plan. Data transfer speeds are not guaranteed and are dependent on network availability and utilisation. Out-of-package pricing is rounded up to the nearest cent. Standard terms and conditions apply. Subject to credit approval and a new 24 month contract. Whilst savings/monthly subscriptions reflected above reflects a fixed monthly discount on the subscription charge, such charges (as well as call and other charges) are subject to increase in accordance with the tariff published by the Network from time to time. Free minutes as applies to each tariff are subject to the rules as determined by each of the Networks from time to time and are subject to change. Altech Autopage Cellular reserves the right to enforce a monthly credit limit on your account. Free data bundles, as applies to each tariff are subject to the rules as determined by each of the Networks from time to time and are subject to change. The subscriber is liable for any data usage that exceeds the included data bundles as applies to each tariff. Subscriptions to HSDPA/3G packages are subject to HSDPA, 3G, EDGE, GPRS and WLAN Network coverage and availability. The subscriber shall be responsible for verifying the availability of HSDPA/3G coverage within the subscribers area. The download speeds indicated are merely indicative and are not guaranteed by Altech Autopage Cellular. Call 0861 227 222 and have your current account or credit card details and ID handy. Dial direct weekdays 08h30 - 17h00. All new contracts taken out via telephone or e-mail, will be enforced once the cellular package is delivered and signed for. Full terms and conditions are supplied with each offer on delivery of the package. Offers valid while stocks last. All prices incl V.A.T. E&OE
Copyright © 2008 Neotel (Pty) Ltd



Is peer-to-peer (P2P) networking right or wrong? That was the question we asked you last month, and from your replies it seems like it is. And isn't. I think the changes brought about by the Internet regarding

the distribution of digital content, including movies, music and books, came just too fast to thoroughly comprehend the implications, never mind dealing with it. One answer might lie in the way we look at copyright, so have a look at our Creative Commons (CC) article on p33. CC encourages sharing, and being a free magazine we here at *TechSmart* love the concept.

So as per usual we have all the free info you need to make your digital living just that little bit easier and more enjoyable.

Mike Joubert <michael@techsmart.co.za>

I am typing on the excellent HP DV3 Notebook (p 14).

Copyright © 2009. All rights reserved. No material, text or photographs may be reproduced, copied or in any other way transmitted without the written consent of the publisher. Opinions expressed are not necessarily those of the publisher or of the editor. We recognise all trademarks and logos as the sole property of their respective owners. *TechSmart* shall not be liable for any errors or for any actions in reliance thereon. All prices were correct at time of going to print.

Corrections

- We mistakenly published the wrong number in the vehicle tracking article for **Active Vision** in Issue 68. Their correct number is **011-450-3361** (see their ad on p 24).
- The correct URL for the VirtualBox website is www.virtualbox.org and not www.virtualbox.com as stated last month.

There is a bizhub to suit your requirements.

- DIGITAL MONOCHROME COPIERS/PRINTERS/SCANNERS
- DIGITAL COLOUR COPIERS/PRINTERS/SCANNERS
- FAXING SOLUTIONS
- WIDE FORMAT PRINTERS

bizhub
Change the way you do business

KONICA MINOLTA
Office SOLUTIONS

Keith Lee 082-552-9404 | keith@minoltaoffice.co.za
Nicky Hesler 082-442-4240 | nicky@minoltaoffice.co.za
(012) 361-6497 or www.kmos.co.za

Features

- 12 The Digital Hustle
- 13 How not to DIE ONLINE

Regulars

- 6 Letters
- 8 Smart Celeb: Paul Rothman
- 10 Tech News
- 11 Sci News
- 22 Industry Expert: Monique Chatterjee
- 24 Industry Expert: Victor Dronov
- 28 DIY Dude: How to make a Teddy Bear Nanny-Cam
- 29 The BIG Issue: Creative Commons
- 34 NetSmart: Reduce your spam
- 35 Web Time Wasters

PC Hardware

- 14 HP Pavilion DV3-2030Ei Notebook
- 14 Samsung R710 Notebook
- 15 Advent ADV3500 Tablet PC
- 16 Plustek Smart Office PL2546
- 16 Epson Perfection V300 Photo Scanner
- 17 EDIMAX NS-2502 SATA NAS Server
- 17 AirLive AirMax Wireless Outdoor CPE

Mobiles

- 18 Nokia E75
- 19 HTC Magic

Security

- 23 10 Steps to Better Data Security Protection
- 23 APC SurgeArrest Notebook Surge Protector
- 23 Asus U3000 Hybrid TV tuner

Education

- 25 The Photoshop Teacher

Books

- 26 Security Monitoring

Software

- 30 Kaspersky Mobile Security 8.0

Internet

- 32 AxxessDSL Internet Service Provider

Games

- 36 Wii MotionPlus
- 36 Red Faction: Guerrilla
- 37 Prototype
- 37 E3 2009 Round-up

Competitions

- 20 Hacking for dummies
- 30 Kaspersky Mobile Security
- 36 Red Faction: Guerrilla

THE TEAM

Editor

Mike Joubert > 083-290-2889
michael@techsmart.co.za

Executive Editor

Suzanne Grobler
Business Manager
George Grobler > 083-460-0402
george@smartpublishing.co.za

Advertising

Suzanne Grobler > 083-742-6370
suzanne@smartpublishing.co.za
Anelda Strauss > 083-748-3413
anelda@smartpublishing.co.za

Designer & Layout

Brett Wilson
Contributors Andrew Gould [AG], Johan Bouwer [JB], Mike Joubert [MJ], Thomas McKinnon [TM], Linda Pretorius [LP], Zombie Kitty [ZK]

Accounts & Subscriptions

Ronel Keet > 012-362-2732
Online Editor
Thomas McKinnon
thomas@techsmart.co.za

Published by



SMART PUBLISHING
MASS MEDIA SPECIALISTS

Distributed by



smart distribution



12



14



19



28

Powered by

HandyMAP

Still paying for GPS map updates?

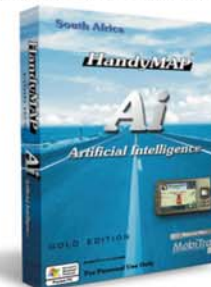
Standard / Gold Edition Ai

FREE MAP
and Speed Camera
Updates Twice a
Year* Since 2003
(See Software Product's Lifetime)

HandyMAP
South Africa
Inside



(Sony Ericsson XPERIA not included)



(HTC Touch HD and Touch Diamond not included)



NOW Navigate from
Cape to Cairo

With **TRACKS+AFRICA*****

Making Africa Visible and Accessible



HandyMAP navigation software
- Ai Standard or
- Professional for Pocket PC and PC

Special!! R300.00 incl. VAT **
(Offer only valid for walk-in
customers at Lynnwood PDAshop)

HandyMAP navigation software

Ai Gold R800.00 incl. VAT ** (2009 data)

- No additional license required like others if loaded onto your new PDA Phone
- FREE major map updates twice a year with unlimited map error fixes every year
- 770,000 km Southern Africa routable coverage
- Free PC version with 10 installations
- Fuzzy learning
- SD expansion slot for easy upgrade



Chargers



Styluses



Batteries



* Free for software product's lifetime
** Cash only. Valid 1/July/2009 while stocks last
*** For Professional and eXtreme/G12 version.
Available from www.T4A.co.za

Pretoria PDAShop **Midrand Smartfit**
285 Lynnwood Road Vodaworld
012 362 8133 011 653 6695

Google Map Updates site:za

SEARCH Google: Map Updates
and see what people say

Last month we asked: Is P2P file-sharing right or wrong? This is your feedback.

Letter of the Month

Letters shortened due to space restrictions.

Hi there TechSmart, I would like to start off by saying I don't think P2P is wrong or a bad thing. The fact that you can connect to a P2P network and download files is awesome. The fact that many people all over the world upload movies or games etc. that are actually selling in stores, is not. P2P can be used legally, and I do believe that it shouldn't be banned or made illegal. If people want to take the chance of downloading a pirated game or movie they should be aware of the possibilities of prosecution as I'm sure The Pirate Bay guys were. It's a chance you take, such as going into a shop and thinking about stealing a chocolate and actually getting away with it or getting caught. People know that it's illegal but it's still their choice at the end of the day.

Tim Schenk



Congrats Tim. You are the lucky winner of a Lexmark X6675 wireless 4-in-1 with a 5-year guarantee sponsored by Lexmark.

These letters make valid points. We'll sit on the fence until there is valid evidence that P2P is killing the TV/ Movie/ Music industry. -ED

Hi guys, No matter how you try to sugar-coat P2P, it is wrong, illegal and immoral. There is no excuse to justify it and people who moan that the originals are too expensive shouldn't be too judgmental. I agree that some things can be overpriced, but it is the artists' material. I think the best way to illustrate whether or not you find these acts right or wrong is this: Imagine you have just created/designed/invented a movie/book/song. Now imagine that this item is to provide you with your income and the entire world simply gets a copy of this item at no cost and you don't earn a single cent for all your effort. How does that feel?

Denzil van der Merwe

Hi Everyone, As a foreigner living in Gauteng I can safely say P2P file-sharing is right. I can't go back home as much as I would like to and also I can't constantly ask my keepers for money in this harsh economic environment. So what do I do? I engage in P2P file-sharing and it doesn't disappoint. I get to watch native music videos, documentaries, serial dramas, stuff I'll never find here no matter how hard I search. Above all, I get study material from different parts of the world which has made my understanding so much easier. To me P2P file-sharing is the best thing since Windows 95.

Budirirai T R Chanyau

LEXMARK

Fast Fact

Why do printers have card slots? Digital card slots allow for standalone printing of documents and photos without being connected to a PC.

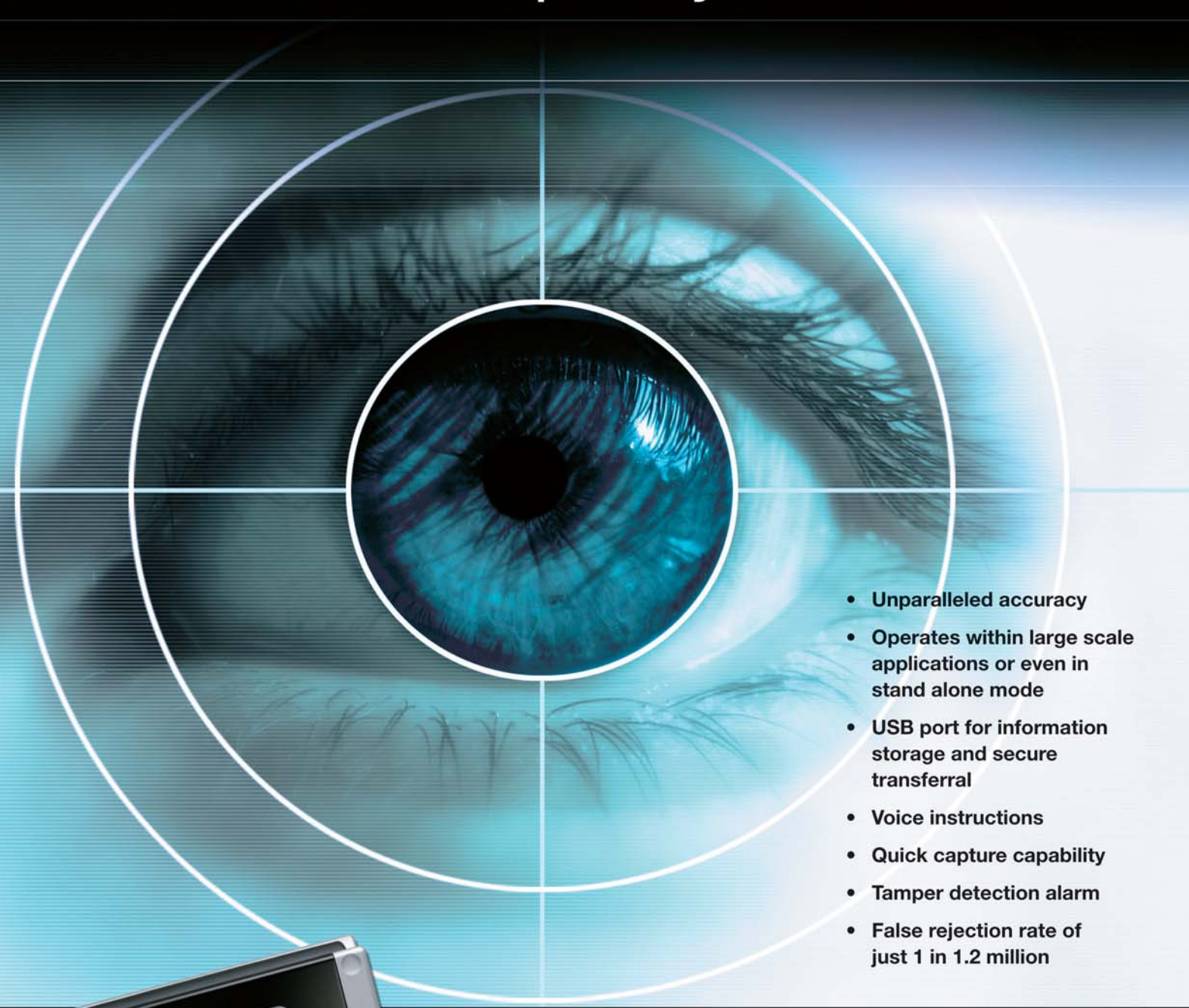


Question: Would you ever release work that you created under Creative Commons License? (Read more on the subject on p33). Share your thoughts by emailing us on info@techsmart.co.za.

Our Letter of the Month wins this incredible Lexmark X6675 wireless 4-in-1 with a 5-year guarantee. (Also available from IT retailers.)

10.5 million. The number of Blu-ray players in the US. <http://tinyurl.com/techjuly>

The iris is a unique key to the world...



- Unparalleled accuracy
- Operates within large scale applications or even in stand alone mode
- USB port for information storage and secure transferral
- Voice instructions
- Quick capture capability
- Tamper detection alarm
- False rejection rate of just 1 in 1.2 million



BM-ET200

Iris biometric ultra-accurate access control from Panasonic

The iris of an eye is near impossible to duplicate making it a robust method of access control. Panasonic's next generation of non-invasive iris recognition reader, the BM-ET200, has re-defined the possibilities of biometric technology. This iris recognition camera system can restrict and monitor access with high precision, quickly and securely. It provides flexible system architecture that can be adjusted to suit users of different heights, for state-of-the-art personal identification.

*100% BACK!

Corner-to-corner Saving!



***Giving back to the environment by having the right partner in your corner. 100% of Gestetner waste is recycled from all device production sites, to achieve demanding company targets and reduce carbon footprint.**

Give 100% BACK!
Call a Gestetner consultant on **0800 111 014** toll-free and join the green revolution NOW.



For more information: Odette Kramer – 011 313 1568
Visit our website at www.pbssa.co.za
Sales direct to trade and to the public. E&OE.

Panasonic
ideas for life

GOGGA™ CONNECT
Affordable internet for everyone



SA's best known independent
WIRELESS INTERNET
Service Provider

AFFORDABLE WEBHOSTING!



WITH YOUR GOGGA WEBHOSTING GET THE FOLLOWING FREE:

- Registered domain name
- Unlimited email addresses
- Online shopping software (e-commerce)
- Forum / Blog software
- Lots of other extra benefits

WITH GOGGA CONNECT WEBHOSTING YOU CAN:

- Choose a personalised domain
- Manage your domain and emails online
- Manage e-commerce software online and increase client access / exposure to your products
- Create and manage your own forums / blogs for discussions

www.goggaconnect.co.za

THE BEST DATA PRICING IN SA!

Call Centre Tel: 08600 GOGGA (46442)
Email: sales@goggaconnect.co.za
Terms & Conditions apply

8 SMART CELEB Paul Rothmann

TechSmart caught up with Paul Rothmann, SA's sexiest man according to *Cosmo*, *Pasella* presenter and all round nice guy. He talks to us about *Lord of the Rings*, the pocket knife, and blokes wanting to tear him apart.



You've been described as SA's sexiest man. How do you feel about that?

It was a huge compliment to be chosen as SA's sexiest man, especially by *Cosmopolitan* magazine (which has been my source to understanding women for many years... although that is an impossible task). But I certainly did not let it go to my head, and at the end of the day, there are many things in life that are far more important than the title of 'sexiest'.

Do you miss your kick-boxing days much?

Very much, especially as I have been ring announcing for several fights over the last few months. That really got me fired-up because there is just nothing that compares to the experience of entering a full-contact arena, to confront and fight against an opponent who has spent the last several months training with the single intent of taking you apart. Yip, hectic stuff.

What town is SA's hidden gem?

If I have to single out a 'new-old-find' (I stumbled across it this past December on my way to Port Alfred) it would be Hogsback in the Eastern Cape. According to legend, JRR Tolkien based the *Lord of the Rings* series on his experiences growing up in the area. This has now been disputed, but regardless it is a magical place, and one could clearly see how he could have been inspired by the beauty.

Tell us about your home entertainment set-up.

I have a great LG flatscreen TV, wirelessly connected to my decoder and DVD player. My wife didn't want to have all the 'machines' visible in the living room, so I put them elsewhere and connected them. I'm not too big on sound though, and simply connect some speakers to my laptop when I'm hosting a party.

What would you call the most important gadget of all time?

Historically... a pocket knife, (although you can still use the knife for technological advancement... by way of mugging somebody, and taking their cellphone... this is South Africa after all).

But seriously, I love gadgets, especially where one item has loads of different functions, like a Leatherman and the new generation cellphones. I am a big Sony Ericsson fan, having gone through the entire P-series (P900, P910, P990) and now I have the XPERIA which is great.

How do you stay connected all the time?

Except for my phone with full connectivity, I also recently bought an Acer Aspire One Netbook, because I travel so often. I need to be lightweight and mobile, and by using an MTN USB Modem, I can pretty much connect anywhere. (Hopefully my colleagues don't realise this too soon, because then I no longer have an excuse for late reports.)

For the full interview visit www.techsmart.co.za

techsmart.co.za | July 09

29 pence (less than R4). The cost to download certain albums after a mistake from Amazon. <http://tinyurl.com/techjuly>

KASPERSKY Lab

Protecting Corporate Networks



Kaspersky Open Space Security

- ◆ Innovative technologies
- ◆ Protection from malicious attacks and spam
- ◆ Protection for all types of network nodes
- ◆ Multiple platform support
- ◆ Remote centralized administration
- ◆ Scalability

www.viruslist.com
The latest information about Internet threats

www.kaspersky.co.za

Biodata IT South Africa (Pty) Ltd
(011) 234 3650 | www.biodata.co.za | info@biodata.co.za

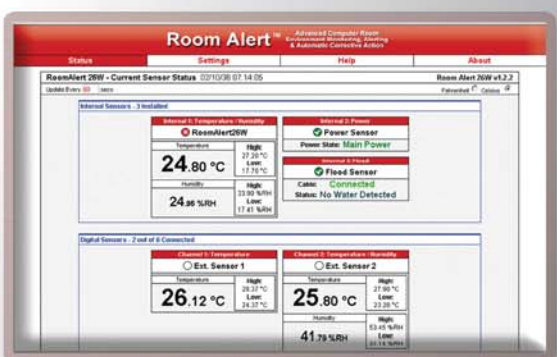


Server Room Monitoring



Temperature
Humidity | Power | Flood
Door Entry | Smoke
Email and Sms
notification!

Network-wide monitoring,
AND <http://web.page.display>



EDP Communications
www.avtech.co.za

t +27(0)12 811 0931 e info@avtech.co.za W www.avtech.co.za

f +27 (0)86 688 3006

*Terms and conditions apply

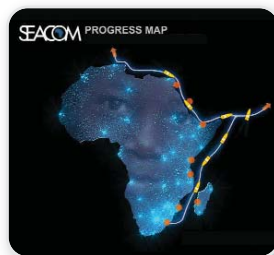
Twitter maintenance delayed

Twitter delayed scheduled maintenance that would have seen Iran's service going down during daylight hours. Dissatisfied Iranian protesters have increasingly made use of Twitter to communicate about the protests and organise themselves after last month's disputed elections. Twitter co-founder Biz Stone said a US State Department request to delay the maintenance had no influence on their decision.



Seacom delayed, too

The Seacom cable, which was scheduled to go live on 27 June 2009, has been rescheduled for launch on 23 July. Increased pirate activity around the east coast of Africa is blamed. However, Somalian Pirates claim their P2P networks have never been faster and promised to seed liberally.



Tech News in Short

- An American woman is fined \$80 000 per track after illegally downloading 24 songs online. Somalian Pirates hold an all night vigil in solidarity.
- China is continuing with plans to install their "Green Dam" filtering software on every new PC sold from June 1, 2009. It's set to restrict access to pornographic material, but reports abound that it will also prevent access to "controversial" political information.
- In what is called the biggest land grab in history, millions of people rushed to get their Facebook user names registered. In the first 12 hours of being able to get www.facebook.com/yournamehere, 3 million people staked their name claim. Thousands of John Smiths worldwide were left disappointed.



Hot New Products

- The Apple iPhone 3Gs is getting some pretty decent reviews after last month's launch in the US. It features better download speeds, video recording, voice control and a compass after a request from adventure man, Bear Grylls. Vodacom says we should have it soon.
- Meanwhile the almost mythical Palm Pre finally made its debut in the US. Its iPhone slaying powers include an excellent multi-touch screen, Web OS, and a "cards" interface. Sales of the Pre are apparently only going so-so though.
- Olympus is reviving its Pen camera legacy with the announcement of their E-P1 Micro Four Thirds camera. It promises DSLR quality in a compact body with an interchangeable lens system.



techsmart.co.za | July 09

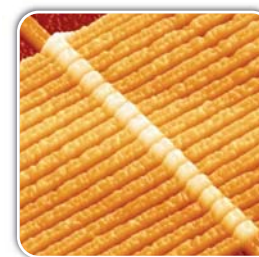
Monkey business



People are not all equally clever. And, it seems, neither are our primate relatives. Scientists report in the online journal *PLoS One*, that when a group of cotton-top tamarins were tested for broad cognitive ability, some were top achievers, others more average and a few were, uhm, a bit daft. In what the researchers fondly refer to as the 'monkey IQ test', 22 monkeys had to perform 11 cognitive tasks. The tasks were designed to test functions such as working memory, information processing speed, and executive and inhibitory control. Results showed that the variation in individual test scores relate to a factor 'g', which describes a measure of general intelligence. Just as in humans, not all individuals in a species have the same level of general intelligence. The researchers believe that humans' overall higher g-values may help explain how we are able to combine knowledge from different domains for new applications, while other primates are only monkeying around.

\$3.2 billion. The amount lost to phishing in 2007 in the United States

Twisted memories



According to a study published in the July issue of the journal *IEEE Electron Device Letters*, engineers created flexible circuit components that can also store information. Scientists predicted almost 40 years ago that such components, which they dubbed memristors, would become the fourth fundamental circuit component. What makes the invention so special is that the chips were created

using inexpensive methods and generally available materials. These include polymer sheets, like the kind transparencies for overhead projectors are made of, covered with a thin jelly of titanium dioxide, a common ingredient in sunscreen. Adding a few electrical contacts and zapping the chip with current, created circuits of which the resistance changed depending on the amount of current applied. The circuits retained their resistance even after power was turned off. The team thinks the chips may come in really useful in portable electronic devices and small biosensors.



Old dog, new tricks

Sometimes you can tell that Spot's been up to no good just by looking at him. Well actually you can't. According to a recent report in the journal *Behavioural Processes*, dog owners think their pets look 'guilty' when they suspect them of wrongdoing. Researchers asked a group of dog owners to

order their pets not to eat a tasty treat, and then left the room. While away, researchers allowed some dogs the treats. Upon the owners' return, some were told their pets had eaten the forbidden treat, while others were told they had not. However, this was often the opposite of what really happened. When asked to judge their pets' body language, owners who believed their dogs had been disobedient judged them to look decidedly more guilty than when they believed they had obeyed - even if untrue. The scientists believe that the findings have important implications for better understanding the relationship between man and his best friend. [LP]



FOR ALL YOUR NOTEBOOK NEEDS

www.laptopcity.co.za | sales@laptopcity.co.za

Own one today! Contact (012) 663-1155

Laptop Chargers

From **R260**
Incl VAT



Laptop Batteries

From **R980**
Incl VAT



Notebook Cable Lock

From **R110**
Incl VAT



Divoom 2.1 Channel

From **R250**
Incl VAT



HP Notebook 4510s



Intel Core 2 Duo, 2.1GHZ
2GB Ram
320GB Hard Drive
DVD Writer Lightscribe
15.6" Screen
Integrated Numeric Keypad
2MP Integrated Webcam
Bluetooth
Wireless LAN
Windows Vista Business
(with XP downgrade CD)
1 Year HP Warranty
Free Laptop Carry Bag

R7999
Incl VAT (Cash or EFT only)

Mobile External HDD 2.5"

250GB - R950
320GB - R1150
500GB - R1550
Incl VAT



3 Fan Cooling Pad

R120
Incl VAT



20cm Fan Cooling Pad

R120
Incl VAT



Mini Notebook WebCAM

R100
Incl VAT



SPECIALISTS IN LAPTOP REPAIRS

Terms and Conditions apply. Stocks are limited. E&OE. Product may vary from picture. Prices may change without notice due to Rand Dollar fluctuations. All prices quoted are cash or EFT only.

Software | Hardware | Repairs | Upgrades
Projector Repairs | LCD Screen Repairs

012-663-9190 | repairs@locanet.co.za | www.locanet.co.za

All repairs done in our workshop

HP, Acer, Compaq, IBM, Dell, Fujitsu Siemens, Mecor, Sony, Asus, Toshiba, Packard Bell, LG, Lenovo, Proline, Gigabyte, Apple Mac, BenQ, Sahara, and many more....

2008C - 200AD. The date in which the Mesopotamians made use of 1/2 volt batteries for electroplating silver onto copper. <http://tinyurl.com/techjuly>

GOGGA™ CONNECT
Affordable internet for everyone



SA's best known independent
WIRELESS INTERNET
Service Provider

DATA BUNDLE SPECIAL



Gogga also offers **ANNUALLY PREPAID** options. You pay for your 24 month contract upfront and get 2 MONTHS FREE. ONLY From Gogga. Thus you buy bandwidth upfront and we can either throttle your monthly usage to your choice to last for 2 years, or you can use your data as you want.

GOGGA CONNECT BENEFITS:

- We specialise in smaller packages
- Don't be fooled by our competitors giving a free modem on 24 month contracts, you are still bound by the 24 month contract
- At Gogga you can also go on Month to Month contracts
- No more land lines needed to surf the Net
- Only pay for data used and not the time spent online
- No hidden costs

www.goggaconnect.co.za

AFFORDABLE WEB HOSTING

Call Centre Tel: 08600 GOGGA (46442)
Email: sales@goggaconnect.co.za
Terms & Conditions apply



The Digital HUSTLE

Con artists, hustlers, crooks... whatever you want to call them, the World Wide Web is crawling with criminals. These cyber-thiefs fool you into believing that they are reputable, and do this to gain access to your personal and financial information. So what are some of the more recent trends you should be on the look out for?

The CashSend Scam

ABSA offers a rather ingenious service called CashSend. Basically you are able to transfer cash to anyone using an ABSA ATM, without the recipient requiring so much as a bank account. They need only punch in a reference number, which you provide them with, and *voila* they have the cash.

Die Burger reported, in January this year, cases of holiday makers, having found suitable holiday venues on Gumtree classifieds, sending advertisers deposits via CashSend, only to never hear from them again. Since there is no bank account to trace the transaction to, it's very difficult to find the culprit.

Online job scams

Even a few months out of a job will make you more receptive to financial hoodwinks than you normally would be.

Con artists exploit this by offering "work-from-home" jobs in which you need only receive or transfer a few payments from your personal bank account or PayPal account for a decent wage. What you actually end up doing is laundering money and defrauding others.

The other favourite job seeker pull is fake employment offers or job websites. Operating under this pretext, criminals are able to garner personal or financial information from unsuspecting victims. And then it's just a matter of time until they get your money.

Ticket lotteries

International sporting spectacles like the 2010 World Cup are often used to sucker people into providing comen with financial information.

FIFA warned fans about these scams on the SA2010 website earlier this year urging, "people not to provide any personal or financial details if requested to do so".

Unsolicited email that informs you that you have won a 2010 FIFA World Cup lottery is a scam. You will likely be asked to fill in personal information on some site or another - their lifeblood.

Avoiding the trap

According to a Symantec report, released this year, South Africa is the 50th worst-affected country by cyber crime. This position is likely to worsen as more South Africans gain access to the Internet and events like the 2010 World Cup rev up. The best advice we can give is to simply never give your bank details to anyone online. You can also visit the following sites for more info: www.slamtheonlinescam.com www.scambusters.org. [TM]

techsmart.co.za | July 09

\$100 million. The amount estimated by the US Secret Service that 419 scammers net per year. <http://tinyurl.com/techjuly>

66%: The percentage of Americans who have used search engines for health information <http://tinyurl.com/techjuly>

How not to DIE ONLINE

The Internet has truly revolutionised the way we live our lives. Unless you live in a small cave on a rocky outcrop somewhere in rural Kwa-Zulu Natal, it will very definitely have affected your life. But there is a sinister side to this otherwise benign and benevolent looking tool we are all almost completely dependent upon. Please pay careful attention; this article could very well save your life.

Gaming Yourself to Death

There are essentially two ways of dying whilst playing games. The first is through pure exhaustion and fatigue. There are numerous cases where die-hard gamers end up really dying... hard. In 2005 a South Korean man collapsed after playing *Starcraft* for almost 50 hours, barely eating or sleeping. Eventually he succumbed to exhaustion and died. In another incident a Chinese man died after playing games all throughout his seven day holiday. Apparently in both incidents the deceased got so engrossed in the gaming that they forgot about the "living" part.

The other way of dying whilst gaming is by meeting fellow gamers who take things a bit too seriously; as Zhu Caoyuan, a man from Beijing, found out when his friend Qiu Chengwei stabbed him to death after he had sold the "dragon sabre" in a game of *Legend of Mir 3*. They apparently won it together, but the thieving Zhu tried to pull a fast one, but had one pulled on him.

Cyberchondria

You lie in bed awake at night, you are restless and worried, as for weeks now, you have this terribly strange twitching in muscles all over your body. Then you decide to Google: "muscle twitching" and you determine that you must have "Creutzfeldt-Jakob disease", an incurable and fatal brain disease, a symptom of which is twitching muscles.

More and more people are self-diagnosing in this way, causing seriously unnecessary concern. The opposite of this effect, and possibly more dangerous, is when people diagnose themselves with harmless conditions, not bothering to go see a doctor. A word of warning: Don't do this.

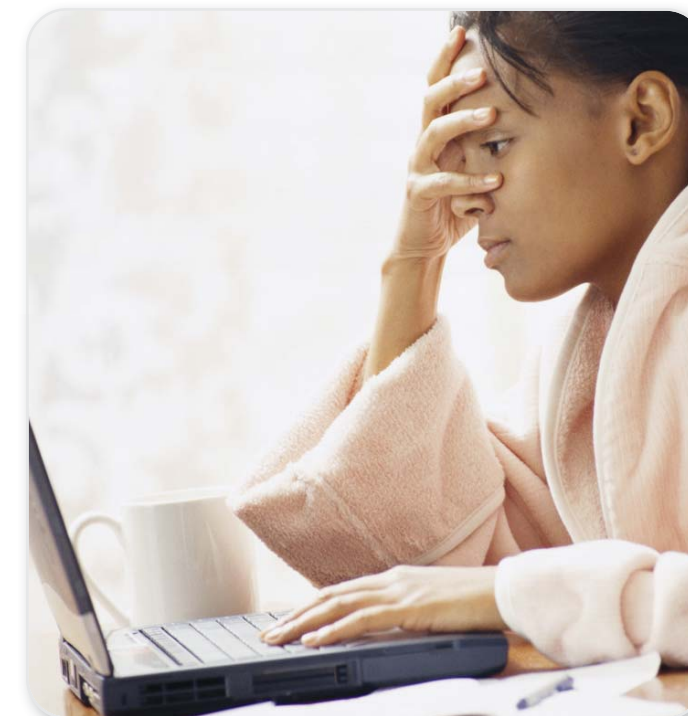
Epilepsy Hackers

There is a certain group of people out there often referred to as "trolls". They like to spend their free time making people's lives miserable by "trolling" their websites, usually just for the "lulz". This happened to the Epilepsy Foundation's website (www.epilepsyfoundation.org) in 2008. A group of trolls hacked the site and posted numerous flashing images in the support forums that caused massive headaches and near seizures in some photosensitive epilepsy sufferers. For an example of the type of thing the trolls did on the epilepsy site, have a gander at this: www.encyclopediadrastica.com/Epilepsy (unless you have photosensitive epilepsy).

Trusting Creeps

No article on the dangers of the Internet would be complete without a word or two about Internet chat rooms. They've been around since the Internet was conceived. They may provide hours of pleasant conversation about whatever suits

techsmart.co.za | July 09



your fancy. But, it's what suits Mr. Creep's fancy that you should be worried about. It might sound obvious, but if you are going to meet someone that you met online, take someone that you know in real life with you. Failing this, meet your cyber acquaintance where other people can hear you scream. And if the person you're meeting doesn't look like the picture on their profile, run. [AG]

...appointments, reminders, invitations, promotions...

LOOKING FOR A COST EFFECTIVE WAY TO COMMUNICATE?

Get your message across with BulkSMS.com



This Internet based SMS solution enables you to send and receive SMS messages from your computer.

Download the [BulkSMS Text Messenger](http://BulkSMS.com) to start messaging.

BULKSMS.COM

www.bulk sms.com | 0860 GET SMS | 0860 438 767

HP Pavilion DV3-2030Ei Notebook That's Entertainment

The first thing you notice about the HP is its eye catching design. Gone is the plain black body found on so many notebooks. Instead you have a design minded motif, not only spicing up the outer lid but also the space below the keyboard.

What's on offer?

So what does the DV3 have on offer? First off, it carries a very decent 320GB of hard disk space, enough to store a number of series, movies and music onboard, without having to worry about hooking up your portable hard drive. Add to this an Intel Core 2 Duo processor T6400 (2.0 GHz) and a very decent 3072MB RAM and you have a PC not only able to handle your entertainment requirements, but also pulling its weight in the work department. Speaking of weight, the DV3 is a little bit smaller than standard laptop size. It weighs about 2.2 kg, so it's not a bother to carry around. The 13.4" screen is decent, although with a resolution of 1366 x 768, it doesn't qualify as full HD.

Connectivity

The DV3 is tops with connectivity, and includes an HDMI port to hook it up to an HD screen, as well as an eSATA connection for faster data transfer. You'll also find a PC Express Slot, a data card reader, as well as Wi-Fi onboard. HP

Samsung R710 Notebook

Power is Everything

The general idea behind notebooks is portability, with power and performance relegated to second place. Obviously the guys behind Samsung's desktop replacement notebook, the R710, didn't get the memo. The R710 is an absolute monster in size and power.

Size

When you have 17" screen on a notebook, you know it's not going to be light. At 3.1 kg the Samsung R710 is about the same weight as three netbooks. But for that you get performance that matches what most desktops can throw at you, and an anti-bacterial keyboard complete with number pad.

Performance

Power and performance are what the R710 is all about. Our test model had an Intel Core 2 Duo CPU (T6400) rated at 2 GHz, with a very impressive 3032MB of RAM. This was more than enough to run games, resource-intensive applications and watch HD videos. The 300GB hard drive makes it easy to store your music and videos. In our experience, the more hard disk space the better, so if you can, go for a 500GB drive. Gamers will also be thankful for the nVIDIA GeForce Go 9600M GT graphics card, which makes gaming not only possible, but a treat.

techsmart.co.za | July 09



includes a stock standard webcam and a fingerprint reader for biometric security. Finally your DVD requirements are fulfilled by a LightScribe Super Multi 8x DVD optical drive.

The power cord is a little bit longer than the standard length, but one minor niggle is that the power cord plugs in at the side, and not the back, which means having to deal with a protruding cable all the time.

Remote Control

We really enjoyed the included mini remote.

It's just a shame that some functions only works with Windows Media Player (WMP), as WMP doesn't support some video codecs. Add to

this the Altec-Lansing speakers, which at least make listening to movies possible without having to call on external speakers, and you have a very respectable multimedia set-up.

The glossy keyboard you'll either love or hate. Personally we did not like the feel and the tactile feedback, although we're sure we could have gotten used to it in time. The touchpad left us unimpressed which made an accompanying mouse a must.

As a multimedia notebook, the DV3 sure looks the part. It is a decent size with excellent specs, and retails for **R12 999** from www.hpshop.co.za. [MJ]

Looks

If you're worried that a notebook this big will look unsightly, you need not worry a jot. Samsung has given the R710 a lick of red glossy paint that will definitely get it noticed. But it's really the screen we like. The 17" WUXGA (1440 x 900) glossy display will give you an HD experience, although it's not full 1080p resolution. Add to this the optional Blu-ray player, and you have yourself a nice HD entertainment unit.

The Samsung R710 has most of the connectivity options you'll need, including 4 x USB ports, Wi-Fi and HDMI to hook it up to a HDTV. A 7-in-1 card reader is included but no FireWire. One bit of bother is that the trackpad is relatively small, making a mouse a must have.

All-in-all the R710 is a well endowed computing power house. At **R12 999** it comes reasonably priced too. [AG]



One thousand trillion calculations per second. The processing power of the world's fastest super computer - IBM's Roadrunner. <http://tinyurl.com/techjuly>

1.5 million km from Earth. The final observation position of the Herschel space observatory

Advent ADV3500 Tablet PC

Convergence Now

The concept of a tablet PC was defined by Microsoft in 2001 as a "pen-enabled computer" that operated on a licensed copy of "Windows XP Tablet PC Edition". A bit of a narrow definition, but taking stock of tablet PCs currently available on the market they haven't exactly come very far since 2001.

The point, however, is that tablets don't really need to develop much further to meet their ultimate objective: offering a mobile alternative to bulkier notebooks and meeting certain environmental requirements and restrictions, namely space. Performance isn't really high on the agenda then, as resource intensive applications are generally avoided on these machines. The Advent ADV3500 also follows suit.

It utilises Windows XP Home, and has a cute Advent interface that sits on top of XP, offering shortcuts to Windows, Navigation, the Internet, computer settings and various media players and an on-screen keyboard. All this makes it extremely easy to use while offering the familiarity and resource efficiency of XP.

Onboard

The device also offers a 7" touch-screen, optimally navigated via a stylus, a 1 GHz CPU, 256MB of RAM, a 30GB hard drive and Wi-Fi connectivity. While we would have preferred 512MB of RAM to make running multiple applications a little smoother, the machine ran well with few hiccups.



Here in my Car

Where the device really shines is in the car. More than just a tablet PC, the ADV3500 has a built-in SiRF III GPS receiver. Consequently you get a fantastic convergence device if you take the optional SATNAV software on offer when purchasing the tablet. The fact that it is also packaged with a windscreen mount, an AC/DC adapter for the car and a remote control, make it even more appealing.

Its multimedia offering further enhances its appeal as a mobile device. Watching videos or listening to music while travelling is very easy as it offers a 3.5 mm audio jack, 2 x USB ports, a mini SD Card slot and AV output. Although the battery life of only about 2 hours in full use, is a bit frustrating.

This good mix of hardware, software, and connectivity features make the ADV3500 a great convergence device for a reasonable **R5899**. Available from Computer Corporation on 08616-08616. [TM]



We'll Open Doors for you in the Security Industry!

Miro distribution has a proven track record and the experience to give you the edge in the Wireless Security Industry. With a comprehensive range of leading brands, supported by our legendary technical backup, we have the solution that not only suits your technical requirements but your budget as well.











086 123 MIRO

WIRELESS NETWORKING VoIP VIDEO

POWERFUL | SECURITY | SOLUTIONS

www.miro.co.za

Plustek Smart Office PL2546 Serious Scanning made Easy

Whether it's for a single department in a big company or a SME, if you're thinking about getting years of old documents digitised or going paperless, the Plustek Smart Office PL2546 is a good way to go.

The PL2546 provides full colour duplex flatbed scanning with an automatic document feeder (ADF). This 50 sheet ADF feeder automates the process of capturing all the data that could actually be useful to the company, as opposed to being useless in boxes in cold storage.

The Smart Office is not limited to normal copy paper though; it can handle a wide range of document types and thicknesses, including: thicker paper documents and plastic cards such as insurance cards, credit cards, ID cards and drivers' licenses.

When using the flatbed scanner the PL2546 can achieve a scanning resolution of 1200 x 1200 dpi, suitable for high resolution photo scanning. The Smart Office also makes the job of data capture easier via the OCR (optical character recognition) software included. That said, the device is quite bulky and heavy, so it's best left in one place. From imageTEK on 011-608-1964 for **R8999**.

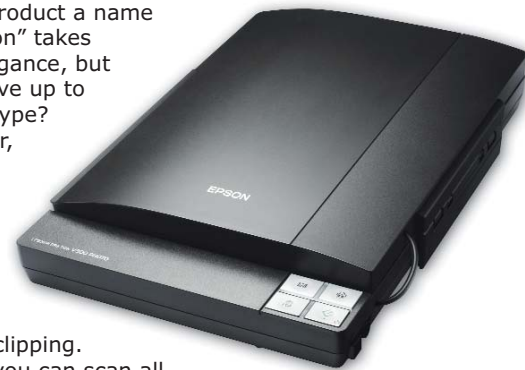


Epson Perfection V300 Photo Scanner Picture Perfection

Scanners have come a long way in a short time, a tale not unfamiliar to anyone who knows anything about the consumer electronics industry. You don't have to fork out a fortune anymore to get some good quality scans; as is proven by the very well priced and very much liked Epson Perfection V300 Photo Scanner.

To give your product a name like "Perfection" takes courage, or arrogance, but does the V300 live up to this marketing hype? The short answer, yes it does. Scanning at a considerable 4800 x 9600 dpi, the V300 can do far more than scan the odd newspaper clipping.

For starters, you can scan all your photos at archive quality resolutions, without having to wait an eternity for scans to complete either. The V300 will also allow you to convert all your slides and negatives to digital as it has a built-in film and slide holder. You can even scan 3D – and over-sized objects, making use of its 180 degrees lid, making it ideal for scanning from books or old albums. **R1670** (incl VAT). Call Epson SA on 011-465-9621 for more info.



EDIMAX NS-2502 SATA NAS Server Home Storage made Simple

NAS or "Network Attached Storage" may sound alien to most, but the idea is pretty simple and very clever. You can think of a NAS server as a hard drive that connects to a network so you can share files with anyone on that network.

Take the EDIMAX NS-2502 NAS server for instance. We were impressed by its combination of a simple set-up and its depth of functionality. The NS-2502 has two bays that each accommodates a 3.5" SATA hard drive, up to 1TB in capacity (giving you an effective 2TB server). The EDIMAX is very simple to install and requires no mounting screws or tools.

You simply slot in a hard drive and connect the NS-2502 to your network via gigabit Ethernet.

The NS-2502 features password protected security and various networking protocols (HTTP, FTP and BitTorrent), and can even be used as an iTunes Server for iPod devices. We also like the "Copy" button that allows you to copy the entire contents from any USB external hard drive to the NS-2502. The Edimax NS2502 costs **R1913**. Contact Miro for more info on 086-123-MIRO.



112. The number of a new superheavy chemical element that will enter the periodic table. <http://tinyurl.com/techjuly>

AirLive AirMax Wireless Outdoor CPE The Powerful way to Connect

The AirLive AirMax5 is an all-in-one wireless 5GHz CPE. If you are looking for a cost effectively way to build a wireless outdoor network then this device is the ideal solution.

The most impressive thing about the device is its multiple operation modes function. It can be used in Access Point, Client, Wireless Distribution System, or Wireless Internet Service Provider mode. This means you can use it to access a network via a wireless device, bridge networks, and even provide others with network access.

The AirMax5 has an integrated 14dBi 5 GHz antenna, can be powered via Ethernet (up to 100 meters) and sports a high grade anti-UV casing. When considering that it can provide wireless coverage over a distance of 3 km, thanks largely to its 108 Mbps Atheros 11a radio, the AirMax 5 really is a powerful unit. The fact that it cost just **R1249** (excl VAT) makes it affordable as well.

Call Nology for more info on 012-657-1317.



Faster Speed & Wider Coverage

The AirLive WN-300 family is designed to provide faster speed and wider coverage than standard 802.11g products.



WN-300R Wireless-B/G/N Broadband Router

- Wireless-B/G/N Broadband Router
- 2T2R Data Stream
- 802.11n Technology, up to 300Mbps Wireless Transfer Speed
- WPS Push Button Support
- Supports Multiple Wireless Modes
- Supports QoS and E-mail Alert
- Supports Multi SSID and SSID Isolation
- 2 x Detachable Antennas
- Full Compatibility with Turbo-G, Wireless-G and MIMO



WN-300USB Wireless 802.11n USB Dongle

- Wireless 802.11n USB Dongle
- 1T1R Data Stream
- USB 2.0 Interface
- Mini Pen Size Dongle
- WEP, WPA, WPA2 Encryptions
- Fully Compatible with Wireless-G & Turbo-G networks



Where to Buy:
Digital Planet: www.digitalplanet.co.za
Matrix Warehouse: www.matrixwarehouse.co.za • Tel: 011 869-2613/4

Upskill with ACTIVE Computer Based Learning Tutorials

- Teach yourself Computer Skills
- Update your Presentation Skills
- How to Communicate via email
- Teach yourself Word Processing
- Learn to use Spreadsheets like a pro
- How to surf the Internet

R49-00 per course – buy 4 and get 2 for free

Telephone skills

Voice and speech, answering and placing calls, time management for calls, cellphone etiquette at work...— R74-00 (available in July)

Delivery cost of CDs excluded

Enterprise license — call us for special volume pricing!

Contact us now!

email: sales@activetouch.co.za
call us on 082 853 1010 or 012 844 0178 during office hours
www.activetouch.co.za

Alignment with SAQA outcomes



Computer based learning that will work for YOU!

Nokia E75

Business as Usual

Just holding Nokia's E75 in your hand will tell you that it is a quality handset. A good indication of this is its horizontal slider. Closing this slider is reminiscent of shutting the door of a luxury German sedan – it feels different, it sounds different, and you just know you are using something special.

Size

The E75 is the same size as a regular candybar phone. There is no way to tell that it hides a slide-out QWERTY keyboard as it doesn't carry the bulk associated with such handsets. The keyboard is excellent. Although the keys are flush we never had any trouble typing. The same cannot be said of the front keypad, with Nokia making it especially difficult to unlock the device thanks to an undersized *, and generally small keys.

Connectivity

The device ticks all the connectivity boxes as it is HSDPA enabled and supports Wi-Fi. You are also able to set-up a VPN network via the phone to connect to a business network – functionality not found on other phones. Add to this A-GPS, a good browser, Real Player for video playback, a 3.2 megapixel camera and a 3.5 mm jack, and you basically have all you need. Quickoffice and a PDF reader round off its business offering nicely.

Email

As with most business phones these days, one of the E75's key features is the ability to set-up a number of email



inboxes in a hassle free manner. We managed to set-up Gmail easily but ran into trouble setting up our regular Microsoft Exchange mail for work. Nokia does not make it easy to fix the problem, as the E75 does not explain the problem or give options to fix it. We did not experience the same trouble with the HTC Android phones or the BlackBerry Storm.

Screen

For us the ultimate problem lies with the screen. It is of no concern that it is only 2.4" in size and isn't a touch-screen. What really matters is the interface design; graphically it looks the same as what Nokia had on offer two years ago. It feels a bit like climbing into a Mercedes and finding a Kia dashboard. You can put this down as a superficial problem, but it makes a difference when dealing with email or documents. Compared to the iPhone, BlackBerrys and the new Android phones, it just doesn't compare.

Final Word

As much as we were impressed by the excellent design and the range of features the E75 offers, ultimately we felt let down by a very unimpressive screen interface. [MJ]



300 AD. The year in which the Chinese started using Aluminium, the west discovered it in 1827.

HTC Magic

It's a kind of Magic

The Magic is HTC's second Android smartphone, and in our opinion the better of the two released to date. The Magic runs on Android OS 1.5, is exclusively available on the Vodacom network, and can support Microsoft Exchange – though not out the box mind you.

Form factor

The Magic weighs just 116 g, has dimensions of 113 x 55.56 x 13.65 mm, and boasts a glossy plastic, two-tone case. It is consequently slimmer and lighter than its big brother, the Dream. It sports a 3.2" capacitive touch-screen which is evenly lit and proves very responsive. We were very pleased with the touch experience it offered.

Connectivity

Besides excellent call quality the Magic offers Wi-Fi and HSDPA, so you can stay connected wherever you are. It also features a full compliment of Google services including Gmail, Google Talk, and Google Maps. All you need do to access these services is type in your Google username and password when setting up the device.

The ability to download still more communication applications from the Android Market (if it is ever launched in



NET ALERT!!!

Craving more smart phone reviews? Go now to www.techsmart.co.za



SA) makes its communications features seem almost limitless with apps like Skype and Twitroid.

Cupcake

The big news about the launch of the Magic was its firmware update; Version 1.5 of the Android OS, aptly named "Cupcake". Cupcake brings with it a number of new features, like an on-screen keyboard, video recording and a much improved web browser. These updates have enhanced the Android offering tremendously – although we were disappointed that its web browser doesn't support Flash.

Our issues

The phone did, however, have issues that irked us. Firstly, applications can only be stored on the phone's internal memory. This means that you have to manage your applications wisely. Secondly it lacks a 3.5 mm jack, which seriously affects its multimedia appeal. Lastly, we found its accelerometer to be a bit of a frustration as it offered mixed performance in different applications.

Conclusion

The Magic is without doubt a fantastic device. Its powerful communications features and Google integration make it the ideal device for any Googlephile. The fact that it was released with the Cupcake firmware update also makes it more appealing than the Dream. [TM]

New!!! XDSL has developed a state of the art **VPN firewall**

**Business owners: Tired of sluggish speeds on fast internet connections?
Tired of having no control?**

XDSL's firewall features

the same technology that corporate businesses and ISPs use in their core network. This technology is now also available for small/medium businesses at a **fraction of the cost.**

Phone us to find out more.

What does that mean for you as a customer?

- more uptime
- better speed
- more productive working hours for your staff
- better reliability

Do you need technical staff?

No, this is a complete outsourced solution by professionals.

If you have technical staff do they get all the tools to monitor their network?

Yes we give them all the tools to monitor and make business decisions.

Terms & Conditions apply

Suited for ADSL, diginet and most internet connections.

call us now
086 100 9375
www.xdsl.co.za
info@xdsl.co.za

CASH REGISTERS
SUPERB
Uniwell
086 100 5855

Superb Uniwell Systems
555 Mitchell Street
Pretoria West 0183
South Africa
Tel: 012 327 5855
Fax: 012 327 6275
sales@superb.co.za
www.superb.co.za

Uniwell

e-PoS

G

INK RIBBON

H.R.S.

fidelity

olivetti

EICR SPARES

VERBODEN



- CASH REGISTERS - PC POINT OF SALE - SCANNING - TOUCH SCREEN - NETWORKING - SCALES - BAR CODING -

- CASH DRAWERS - SCANNERS - POLE DISPLAY - POS PRINTERS - RIBBONS - RENTALS - REPAIRS TO ALL MAKES OF CASH REGISTERS -

www.superb.co.za

Dealers Countrywide

Franchise/Dealer Opportunity Available



sales@superb.co.za

info@superb.co.za

DEDICATED TO POS

- Focus specifically on the Hospitality, Retail & ...Catering
- Global distribution and support network
- Software development for PoS, Back Office & Head Office
- Systems integration with option of embedded or PC based systems
- Range of PoS terminals to suit various styles of operation & budgets

IMPORTER & DISTRIBUTOR



* Supermarkets * Bottle Stores * Butchery * Convenient Stores * etc



COMPUTER CORPORATION

GREAT VALUE

for every

BUDGET



INTEL ENTERTAINER
 •Intel Celeron 430 CPU
 •512 Mb DDR 2 Memory
 •160GB Hard Drive
 •DVD Writer
 •32Mb Graphics
 •3D Sound Card
 •Network Ready
 •PS 2 Mouse + Keyboard
 •No Operating System
 •1 year Warranty



R1999
 From R77pm for 36 months

UPGRADE OPTIONS
 ADD THE PRICE WHEN BUYING THE ABOVE PC

HARDDRIVE	MEMORY
250GB R49	1GB R69
320GB R99	2GB R159
500GB R199	

CPU	SOFTWARE
CELERON 1400 R99	STARTER EDITION R339
INTEL E2200 R299	HOME BASIC R689
INTEL E5200 R449	HOME PREMIUM R999

MONITOR
 17" CRT R599

JOYBOOK LITE U101
 •Atom N270 •Intel® 945GSE Express Chipset
 •GraphicsIntel® GMA950 •Memory 1GB
 •160GB Harddrive •10.1" WSVGA, 16:9 •1.3-mp Webcam •Built-in 10/100 Ethernet •W/LAN: 802.11 b/g
 •4-in-1 Card Reader •Windows® XP Home •1 year Overseas Regional Warranty(ORW)*3

BenQ



R4599
 From R177pm for 36 months

MSI WIND U-100
 •Atom®N270 1.6GHz, Intel 945GSE+ICH7-M •1GB Memory
 •160GB SATA HDD •Ergonomic Big-Size KB & Touch Pad
 •10" WSVGA LED •Built-in 10/100 LAN •4-in-1 Card Reader •802.11bg
 •Protective Bag
 •3 cell Battery
 •1.3M Pixel Webcam
 •Windows® XP Home



R4899
 From R188pm for 36 months

7" DIGITAL PHOTO FRAME
 •480 x 234 pixels
 •Calendar •Alarm Clock •Built-in Memory, Store up to 40 pictures •Remote Control and AC Adapter



R689



PIGGY POD
 •Full iPOD and iPHONE docking functionality
 •Re-charge your iPOD / iPHONE •Touch activated volume control •Remote Control •Incredible sound •Space saving
 •Fun and funky design
 •High quality speakers

R899



CD/MP3 PLAYER

•Full Detachable Drop Down Front Panel •80 Watt per channel •5 Volt Preamp Output •Illuminated Control Buttons •PLL Synthesized Tuner •30 Station Presets •Usb Port •Auxiliary Input •Compatible With Audio Output Of Ipod or any other Mp3 Players



R999

8" SLIM SUB WOOFER WITH AMPLIFIER



•RCA low level input •High level input •Remote level control •Phase selector switch: 0 or 180° •Input sensitivity: 0.2V-6V •0 to +12dB variable Bass

R1999
 From R77pm for 36 months



NETBOOK UW1
 •Intel Atom N270 1.6GHz 512K Cache 533MHz •1GB DDR2-533 Memory •160GB SATA Hard Drive •No Optical Drive •10.2" WXGA 16x9 TFT •802.11b/g Wireless LAN •10/100TX Ethernet •Sound & Speakers
 •1.3 Mp Webcam •Microsoft Works 9.0
 •Genuine Windows XP Home •1 Year Warranty



Computer Corporation Recommends Genuine Microsoft Windows XP Home

R3999
 From R154pm for 36 months



ADSL2 + ROUTER 1 PORT LAN
 •Wireless Router •Data Transfer Rate 10Mbps, 11Mbps, 54Mbps, 100Mbps •Remote Management Protocol Web-based GUI for remote and local management, Firmware upgrade
 •IEEE 802.3 100Base-TX

R259



Z2320 LEXMARK

Inkjet

•Up to 22 ppm black and up to 16 ppm color •Borderless prints •Create brilliant photos with optional 6-color printing •4800 dpi in photo mode

R399



X5075
 •Print up to 24 ppm black and up to 17 ppm color •One-touch, PC-free black or color copy •Corded handset for faxing •Fax in black or color with or without a PC

R1099
 From R42pm for 36 months



19" LCD WIDESCREEN
 •1000:1
 •1440 x 900 @60hz
 •With Speakers
 •Fast 5ms •300cd/m2

R1199
 From R49pm for 36 months



22" LCD WIDESCREEN
 •Brightness 300cd/m2 •Contrast ratio -1000:1
 •Resp time - 5ms
 •3 Year Warranty

R1599
 From R62pm for 36 months



SAMSUNG DIGIMAX S800

•8.4-megapixel •3x optical zoom
 •2.4-inch display, silver finish
 •Point-and-shoot •Effects Key
 •Use SD memory card & 2 AA-size batteries

R999

BELA-BELA	TEL: [014] 736 4250	MAFIKENG	TEL: [018] 381 5090	PRETORIA CBD	TEL: [012] 328 6798
BETLEHEM	TEL: [058] 303 6723	MAYVILLE	TEL: [012] 335 9097	RICHARD BAY	TEL: [035] 789 3589
BLOEMFONTEIN	TEL: [051] 448 5296	MIDRAND	TEL: [011] 318 0253	ROOIBOUKRAAL	TEL: [012] 656 0223
BRAKPAN	TEL: [011] 915 6616	MOKOPANE	TEL: [015] 491 3436	RUSTENBURG	TEL: [014] 592 7407
BRITS	TEL: [012] 252 4212	MONTANA	TEL: [012] 548 0422	SAN RIDGE	TEL: [011] 318 0852
BROOKLYN	TEL: [012] 346 6720	NELSPRUIT	TEL: [013] 745 7127	SECUNDA	TEL: [017] 634 1210
CAPE TOWN	TEL: [021] 511 4147	NORWOOD	TEL: [011] 728 7872	SILVERTON	TEL: [012] 803 6100
CENTURION	TEL: [012] 644 1674	NYLSTROOM	TEL: [014] 717 4250	SOMERSET WEST	TEL: [021] 851 0918
FAERIE GLEN	TEL: [012] 991 8013	PIETERMARITZBURG	TEL: [033] 345 9646	WILLOWS	TEL: [012] 807 7235
GEORGIE	TEL: [044] 884 1477	POLOKWANE	TEL: [015] 295 4465	WITBANK	TEL: [013] 656 5363
HARTIES	TEL: [012] 253 1508	PORT ELIZABETH	TEL: [041] 368 3950	WONDERPARK	TEL: [012] 549 0210
HILLCREST	TEL: [031] 765 4050	POTCHEFSTROOM	TEL: [018] 293 0999	ZAMBEZI EAST	TEL: [012] 379 8700
KLERKSDORP	TEL: [018] 462 9102	PRETORIA SALU	TEL: [012] 320 8939	ZEEERUST	TEL: [018] 642 1200
LENASIA	TEL: [011] 852 4634				

www.computercorporation.co.za HEAD OFFICE 08616 08616



ALL PRICES INCLUDE VAT - OFFERS VALID WHILE STOCK LASTS - E & OE - ACTUAL PRODUCT MAY VARY FROM ILLUSTRATION USED. *TERMS & CONDITIONS APPLY



Share the POWER of a single PC



AND SAVE

Save 50% on computers

Save 70% on maintenance

Save 90% on electricity

From **R895** per user
NComputing®



Business: Call Centres, Offices, Travel Agencies, Showrooms
Education: Schools, Training Centres, Universities, Colleges
Public Access: Libraries, Conference Centres & Internet Cafés, Expos

Over **250 000** seats sold in South Africa

Max # of users / PC
11 (2 kits + PC)

Max # of users / PC
31 (30 terminals + PC)

X550 KIT **L230 Terminal**

Official importer and distributor of NComputing Products



CALL: 011 465-7952
Email: info@ncs.co.za
Web: www.ncs.co.za

THE hinge

Microsoft's Arc mouse raised a few eyebrows with its rather odd design. Somehow its hinge design makes it both ultra-portable and really comfortable.

We chatted to Monique Chatterjee, Microsoft's User Experience Designer, about what went into designing this strange mouse.

What led to the hinge idea behind the Arc Mouse?

When designing Arc, we were trying to find a form that provided comfort in the hand, but was light and pure in form language. The Arc form came about naturally through the process of finding something that just worked; there wasn't a moment where we looked at another object and thought that we should translate it into a mouse. The inspiration was more around creating something simple and light in form – something that captured the spirit of portability. There is always a balancing act when we try to design a mouse that is very comfortable and also very portable, and our team is very sensitive to this issue. To achieve comfort, we need to provide enough volume in the product to fill the palm, but it is the same volume that makes it hard to slip a standard mouse into a bag or pocket. We created the Arc Mouse to be a light form by using the negative space that an arch naturally creates. It was just a natural progression of thinking to leverage that negative space even further by allowing it to collapse with Arc's hinge.

In mouse design, does form follow function or function form?

Functionality is always the key to our mouse designs. For instance, the Arc Mouse is elegant and modern in form, but the magic of the form is the functionality that it enables – comfort when open by providing palm support and compact portability when collapsed. Design isn't about drawing a pretty picture or simply wrapping a surface over some mechanics; it is about finding the right balance between many important elements. Functionality, comfort and aesthetics are all at work together to make a strong product.

When you design, where do you draw your inspiration from?

Our design inspiration comes from many places – the fashion runway, technology trends, research on consumer needs, etc. We have a very diverse design team of ten designers. We all have very different cultural backgrounds, educations, experiences, and interests. We use our design group meetings to share influences coming from so many different origins. Fashion (runway, sport and street), furniture, automotive, and consumer electronics are definitely among our favorites. We also love to look to graphics, interactions, art and architecture and really enjoy looking at the world to find bits of raw inspiration and put them together in different ways to create something completely new.

techsmart.co.za | July 09

\$71 billion. The amount spent on data recovery in 2007. http://tinyurl.com/techjuly

Practical Security Tips

10 Steps to Better Data Security and Protection

Henk Smit of Tecleo Data Recovery Lab gives us some practical tips on better data security.



1. Install a reliable anti-virus package, update the package and scan your PC regularly.
2. Update your operating system and applications regularly.
3. No bank will request that you change or verify your details online or via e-mail.
4. Do not disclose your personal information on social networking sites.
5. Ensure that you have at least a software firewall installed.
6. Make daily backups and remember to test these backups on a regular basis – a backup is only as good as its restorability.
7. Have two copies of your current critical data in separate locations.
8. Install power and data surge protectors on all externally connected cables.
9. Do not move or bump your PC while it's switched on.
10. Ensure adequate ventilation in and around your PC.

Do not hesitate to contact them on 0860-600-800 or visit www.datarecovery.co.za should you be a victim of any potential data loss situation.

APC SurgeArrest Notebook Surge Protector Arrest that Surge!

One tends to overlook the fact that a plugged in notebook is not immune to power surges or lightning strikes.



The APC Notebook Surge Protector will prevent surges through the mains power from destroying your notebook. A nice feature of the SurgeArrest is that it will also protect from surges through two fax or modem lines as well as through your Ethernet connection. **R299** from Computer Corporation on 08616-08616.

Asus U3000 Hybrid TV tuner Easy TV for your PC

If you want a fast and easy solution for watching TV on your laptop or PC the Asus U3000 Hybrid TV tuner is the ticket. There is no elaborate set-up involved and the device also enables you to record onto hard disk and handle TimeShift recording. In addition it includes an FM tuner and is ready for the digital switch-over expected in 2011. You may just want to plug it into a better antenna than the one provided.



Available from PC Pro Shop on 012-348-4000 for **R1150**.

LOST DATA?

- Hard disk drive recovery
- Data forensic services
- Server Recovery
- CD / DVD recovery
- Compact flash recovery
- Tape Recovery
- Mail Recovery
- Database recovery
- Password retrieval
- File Repair

TEL: 0860-600-800
www.datarecovery.co.za

TecLeo
DATA RECOVERY LAB



Threats to your Smartphone are Real

Victor Dronov is the Product Manager for Kaspersky Lab's Mobile Solutions Unit. We chatted to him about the mobile threats users face and the launch of Kaspersky's Mobile Security 8.0. (Read our review on p 30.)



suspicious attachments in emails or visit inappropriate websites when using your PC. But all this changes when people switch to smartphones, which are essentially computers, just smaller.

Mobile banking is growing in popularity. Do you have any practical tips for users to avoid threats associated with mobile banking?

We don't know of examples of malware targeting mobile banking yet. But unfortunately all the technological preconditions are in place for it to happen. Therefore we can recommend either don't access your accounts with some considerable amount of funds from your smartphone, or to use one of the time-proven anti-virus products.

How often is the software updated and how large is an average update?

Kaspersky Mobile Security updates its AV database on a regular basis. But the volume of updates is not that big – less than 50Kb a week.

How does Mobile Security protect users against these threats?

When protected by Kaspersky Mobile Security, smartphone user is able of doing a lot of amazing things. For example if a user cannot find his phone it is possible to locate it. Just send an SMS with a special command to your number and get smartphones location sent to your email as a Google Maps link. If it's clear that your it was stolen it is possible to remotely block it or even wipe out all sensitive data on it.

For the full interview visit www.techsmart.co.za.

What are the biggest threats mobile users face today?

- Device loss or theft. People are storing more and more private and confidential information on their smartphones: documents, photos, files, banking account details. But, being human, we sometimes lose our phones or it gets stolen. Very often the risk of getting this data into the wrong hands is even worse than your expensive device being stolen.
- SMS spam and ad calls. Not actually a "threat" in its initial meaning, but a great annoyance.
- Mobile cybercrime and fraud. Since smartphones are becoming more common – cybercriminals and fraudsters are starting to target mobile users. The latest trend here is Trojan software secretly sending SMSs from your cellphone to a premium cost numbers.

What is the difference between the threats faced by PC users and those faced by smartphone users?

The main difference here is a complete unawareness of mobile threats. Everybody knows that it's dangerous to open

TOUGHBOOK®

Computers for the Outside World™

- Certified Military Standard MIL-STD-810F
- Intel™ Core 2 Duo processors
- Dust and water resistant
- Drop resistant to 90cm
- Serial port
- Wireless LAN integrated
- Optional wide-area wireless solutions: GSM/GPRS/3G/edge*
- Optional built-in HSDPA/GPS*
- 1000NIT Outdoor Readable Display
- Operates between -20 to +60°C at 120% humidity (ports closed)



*Conditions apply. Panasonic recommends Windows Vista™ Business

Fleet management, tracking and driver navigation, the complete transport management solution

Invest in the advanced Active Vision AV-580 Fleet management and tracking system before 31 July 2009...



- Live vehicle tracking on detailed maps and Google Earth
- Live multiple vehicle tracking
- Unlimited trip/route data & reporting
- Eliminate vehicle misuse
- Increase vehicle and driver efficiency
- Reduce your transport costs
- Improve your customer service

Only valid with this special: Get a Road Angel GPS navigator worth over R 1,500.00 Free!

- Latest technology anti glare touch screen
- Includes detailed maps for southern Africa
- National database of speed trap locations
- Built-in battery & speaker
- Turn-by-turn in-car navigation system
- Includes in-vehicle charger & accessories

Only R 2,995.00 upfront and R 199.00 per month

Active Vision Tel: 011-450-3361
info@activ.co.za

- No long term contract required
- Fully guaranteed for 12 months
- Indicated prices exclude VAT
- 100% satisfaction guaranteed
- Superior service and support
- Offer valid while stocks last

90cm free fall tests conducted



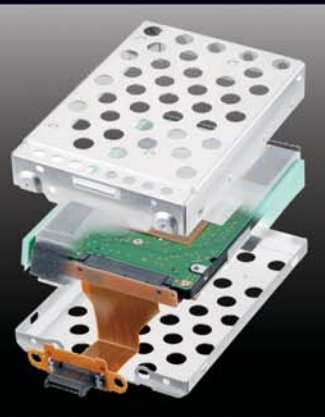
Sealing and fan-less design prevent the penetration of water and dust



Shock resistant LCD monitor



Shock resistant hard disk reduces risk of data loss



Shocks, drops, heat, cold, dust and damp present no risk to Panasonic fully rugged Toughbooks. A magnesium thickened casing offers maximum protection and a 6-hour rechargeable battery life allows for the most demanding use whilst on the move.

CF-30

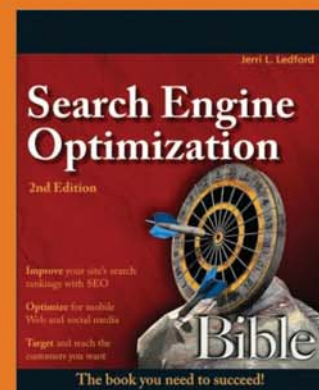
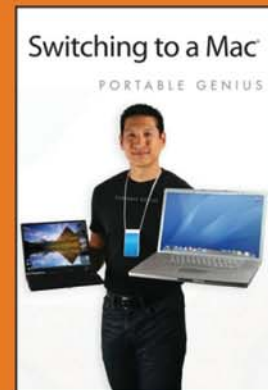


CF-19

Panasonic ideas for life

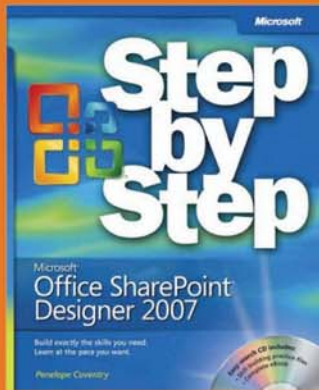
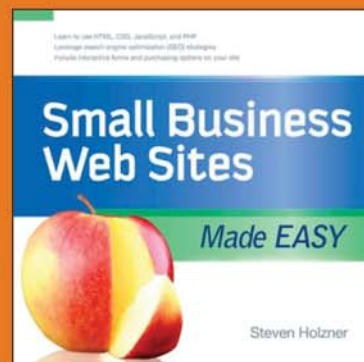
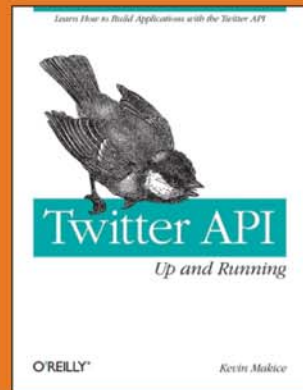
For more information: Odette Kramer – 011 313 1568 • Visit our website at www.pbssa.co.za

HOT OFF THE PRESS



Buy these titles now at all leading bookstores and online at www.intersoft.co.za

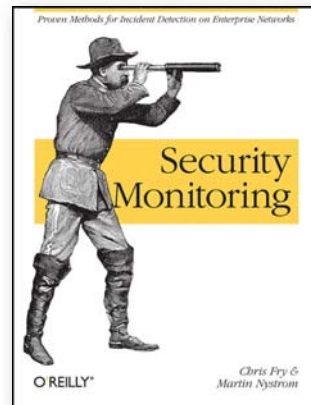
For more info contact sales@intersoft.co.za or (011) 325-2643



Security Monitoring – Managing Risks on Your Network

Bells and whistles you don't appreciate

Let's face it, network security is boring. It costs a fortune and there is nothing really inspiring about it. Yes it's got bells and whistles, but you don't generally want those to go off – ever.



That is, it's boring unless security is your thing or you realise just how important it is. If it is, and you do, then *Security Monitoring – Managing Risks on Your Network* (2009) should be on your must read list.

Managing your network's security is more a science than an art. That's why the authors of the book, security experts from Cisco Systems prescribe a six step approach to managing security risks to your network. The steps include: 1) Develop Policies; 2) Know Your Network; 3) Select Your Targets; 4) Choose Event Sources; 5) Feed and Tune; and 6) Maintain Dependable Event Sources.

Security Monitoring takes a very sensible, sober and systematic approach to monitoring network security. Its insights and prescriptions will certainly help you implement an effective security monitoring solution for your company.

Available from Intersoft (011-325-2643) for R625, or for less 20% on www.intersoft.co.za.

WIN 1 OF 3 HACKING FOR DUMMIES

COURTESY OF INTERSOFT

Enter this competition on www.techsmart.co.za

Competition runs from 1 – 31 July 2009

5000 pages. The length of the recently made Wikipedia book. <http://tinyurl.com/techjuly>

techsmart.co.za | July 09

The Photoshop Teacher

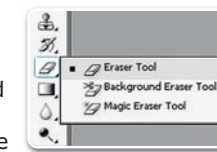
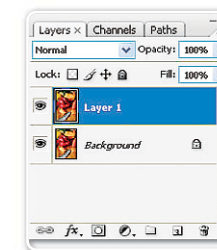
How to: Selective Desaturation in Photoshop CS3

In this new segment the Photoshop Teacher will help you improve your Photoshop skills. First lesson: Selective Desaturation.



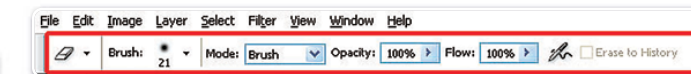
Although there are many ways to do this task in Photoshop, we have chosen a technique which is beginner friendly.

1. Open an image and create a duplicate layer: CTRL + J. You now have two identical layers. If you can't see the layers palette, press F7 on your keyboard.
2. Select Layer 1 and then go to "Image > Adjustments > Black & White". Play around with the sliders until you are happy with the result (make sure that the Preview box is checked), and then click on OK.
3. Layer 1 will now be B&W, but in your Layers palette window, the Background layer should still be in colour.
4. Select the eraser tool from the left hand tools column.
5. Select an eraser brush tip of appropriate



size from the top drop-down options. The size needed will vary from image to image – use your judgement here. Soft brushes work better than hard brushes for these kind of jobs. You can see a preview of your eraser tip size if you move your mouse cursor over the image (make sure that Caps Lock is off). I have selected soft brushes of sizes ranging from 21 to 70 for this job.

6. Eraser tool's top bar options: Mode: Brush, Opacity: 100%, Flow: 100%, Erase to History = Off



7. Erase the parts where you want the colour to shine through. Don't do it all in one brush stroke. Using multiple strokes (releasing the mouse button after each stroke) will allow you to Undo the last stroke when you have made a mistake.
8. To undo the last action, simply press CTRL + Z. This will toggle between the last two states. To undo further back, press CTRL + ALT + Z. To redo, CTRL + SHIFT + Z.
9. To save, select File > Save As... Select a new filename – never replace the original file – it's safer that way.

You can only learn Photoshop by practice and experimentation. If at first you do not succeed, try, and try again. The Photoshop Teacher will be appearing regularly on www.techsmart.co.za. For easy to follow Photoshop courses call him today on 084-88-000-55 or visit www.teachmephotoshop.co.za. [JB]



AN AFFORDABLE OFFICE SOLUTION

A content client is a Global Network Corporation client.

TOSHIBA eSTUDIO 207 DIGITAL COPIER

Features:

- Copy & Print Speeds @ 20PPM (A4/A3)
- Automatic Document Feeder
- Fax Board Kit + Keyboard
- USB Scanner (Peer to Peer)

R499pm
Maintenance @ 4c per copy!!!!

TOSHIBA eSTUDIO 2820C FULL COLOUR DIGITAL COPIER

Features:

- Copy & Print Speeds @ 28PPM (A4/A3)
- Reversing Automatic Document Feeder
- Automatic Duplexing Unit
- Fax Board Kit with Electronic Network Faxing
- Network Colour scanner (57 scans per minute)
- Print direct from USB Device
- Colour Print / Copy Password Protected
- Various Finishing Options Available

R1999pm
Maintenance @ 4c per black copy
45c per Colour Copy!!!!

All Prices Exclude VAT
Terms and Conditions Apply
While Stocks Last

PRETORIA: 012-663-3163
012-663-3173
Email: info@glonetc.co.za



GLOBAL NETWORK CORPORATION

How to: Make a Teddy Bear Nanny-Cam



Leaving your child or other prized possessions in the hands of others is always something you do with reluctance. Well it's just that sort of paranoia that might make you think that you need some form of surveillance to ensure that your house, and those in it, are being well cared for.

You can't just put a camera in plain view though. What you really need is a clandestine agent, something that no one will ever expect.

Enter the cute teddy. That's right, who would ever suspect that a cute little teddy has inside it a camera and microphone, strategically placed to catch would-be house- and baby neglecters unawares.



Wireless Internet from R49 per month*

HSDPA

- Free SIM & Connection
- 2 Months free

Free assessment, signal testing and quote in the convenience of your home

* Terms & Conditions Apply

We also provide

- Networking solutions
- Webhosting from R15 per month*

Contact Thinus on 071 375 6080 or visit our website for details

www.goingwireless.co.za

Alternatively email sales@goingwireless.co.za for more info.



What you need :

- 1 cute teddy (mine has a pleasant vanilla scent)
- 1 infrared enabled (modified) webcam (see *TechSmart* 68, <http://tinyurl.com/diycamera>)
- 1 stitch unpicker
- stapler
- hobby knife
- notebook and long USB cable

You have to ensure that your teddy-cam does not look out of place; this means that you must very carefully unpick the stitching at the back of the teddy's head. I found this quite easy to do. Then remove the stuffing out of the head and set it aside.

Now, using your hobby knife, cut away whatever it is that's holding the teddy's one eye in place. Remove the eye, it is your choice as to which eye you will blind. Once you have removed the camera.

Now get out your infrared camera, see *TechSmart* 68, or make one of these first. The reason we're using an infrared camera is because it has a very good low-light response, ideal for catching your baby-sitter canoodling with a boy/ girlfriend, when he/ she should be watching the baby.

Strip down the webcam so that all you are left with is the lens attached to the circuit board. Now insert the camera lens into the teddy's eye-socket and stuff the head with the stuffing you removed earlier. Make sure that the teddy resembles the teddy you started off with, otherwise you may rouse suspicions. You can then either sew the teddy back up again or, like me, just staple the back shut.

It is up to you at this point as to how you will survey your prey, I mean suspicious nanny or house-sitter. You will obviously need to carefully hide the teddy-cam's USB cable so that it cannot be seen. A good way of doing this is by placing the bear on a bookshelf and feeding the cable down the back of the shelf. You'll need quite a long extension cable, so you can attach the USB cable to a well hidden notebook.

You can either record the goings on by using some sort of screen capture software like *Camtasia*, available from www.holton.co.za for R3579 (incl VAT) – read our review at <http://tinyurl.com/lnuy5m>, or you can stream the video live over the Internet. The simplest way is to sign up to a service like *stickam* (www.stickam.com), where you can make your own channel and keep an eagle eye out. [AG]



2x. The factor by which requests made to your right ear are fulfilled versus requests made to your left ear. <http://tinyurl.com/techjuly>

A I I A b o u t F i n g e r p r i n t s

Suprema BioLite Net

IP based Outdoor Fingerprint Terminal



The world's smallest outdoor fingerprint terminal for time and attendance and access control.

Offering extra durability in extreme environments, the BioLite Net's rugged IP65 rated waterproof and weather-proof structure makes it ideal for outdoor installations.

Suprema's award-winning powerful algorithm and its expertise in IP based distributed access control systems are the key genetic features of the BioLite Net.

The BioLite Net provides for easy installation and network connectivity through a TCP/IP (or RS485) interface, Wiegand, as well as an internal relay for direct lock interface.

The device also offers easier operation and control through its built-in keypad, LCD and RF card (13.56 MHz Mifare) reader.

Depending on the user's needs, the authentication mode can easily be set, allowing you to switch between a combination of fingerprint, PIN and/or RF card.

In addition, BioLite Net is fully compatible with BioStar, Suprema's time and attendance and access control software.

The BioStar SDK is also available, enabling direct communication with the BioLite Net, BioStation and BioEntry Plus, allowing for seamless integration into new and current access control and time and attendance applications.



neaMetrics (Pty) Ltd.
0860 Suprema (0860 787 736)
Fax : 011 285 0948
sales@suprema.co.za
www.suprema.co.za

suprema



Approved Suprema Distributor

Kaspersky Mobile Security 8.0

Don't be Dumb with your Smartphone



So how much personal data do you have stored on your smartphone? These days it might include your email, phonebook, SMS history, personal documents, browsing history, Facebook and those photos taken at last year's Xmas party. What happens if it falls into the wrong hands?



**WIN 1 OF 4 KASPERSKY
MOBILE SECURITY 8.0
LICENSES COURTESY
OF BIODATA**

Enter this competition on
www.techsmart.co.za

Competition runs from 1 – 31 July 2009

Kaspersky identified this problem and came up with Mobile Security 8.0. It is an extremely powerful package which left us both relaxed and relieved after installation.

With SMS-Block for example you can send a SMS to your stolen phone that immediately blocks the device from usage. SMS-Find sends the coordinates of your phone (if the GPS is active) to both your email and the phone you sent the SMS from. It also includes SMS-Clean to erase data off the phone, and SIM-Watch to notify you if a new SIM was inserted by sending you the number and blocking the device. Kaspersky Mobile Security 8.0 has a RRP of **R275** for a year license. For more info contact Sales at Biodata on 011-234-3650. (Also see our interview with Victor Dronov on p 24.)

MAKING SENSE OF IT

Wired-IT is a team of highly skilled and motivated computer engineers that specialise in corporate server, network and desktop solutions and support.

We offer:

- Remote network and server support for your business (nationwide)
- Monthly SLA administration & support
- Monitoring of networks & servers (in-house or offsite)
- Remote data storage
- Network cabling & server room installations
- Firewall solutions
- IT consulting

=

- **Reduced monthly IT costs**
- **No call outs + lower rate per hour**
- **Peace of mind that your data is safe and secure**
- **Competitive pricing model**

Contact us today for a free IT assessment

info@wired-it.co.za
www.wired-it.co.za
012 460 6929
072 221 9215

wired it

MAKING SENSE OF IT

UNCAPPED INTERNET

You wanted it all...
Then here it is!

- ★ Non-Stop Internet.
- ★ Non-Stop downloads.
- ★ Fast ADSL.
- ★ No cap.
- ★ No surprise bills.
- ★ One fixed price!

Express+
R999.00



internet



Unshaped Internet

Weekdays:

6:00 PM - 6:00 AM

Weekends:

Fri 6:00 PM - Mon 6:00 AM

an unshaped
adsl account that
everyone can use

R45.00
per GB

During the week, from 6PM to 6AM and Weekends from Friday 6PM to Monday 6AM, you will get full unshaped Internet access.

(Please note that outside of the times above, you will have NO Internet connectivity).

visit our website to see
all our services

axxess

DIGITAL SUBSCRIBER LINE

24/7 Call Centre: 0861 300 900
www.axxess.co.za

Terms & Conditions apply. E&OE.

The Perfect Partnership

bitdefender
Internet Security 2009



SecuritySuite
Instantly Secures your Computer & Confidential Data



Get both for
R499

The **TOTAL SECURITY SOLUTION**
for your PC or Laptop

BitDefender Internet Security and T3 Security Key. Ultimate security offers double factor protection for your PC by protecting the data PC and the physical threat of theft by offering theft cover for up to \$1500

FOR HOME AND BUSINESS USERS
www.holton.co.za
0 1 1 . 7 8 9 . 6 1 8 1

Advertorial AxxessDSL Internet Service Provider The ISP with a Difference



An Internet Service Provider (ISP) is an ISP is an ISP, right?

This may be true of the average South African ISP, but with an innovative product line-up, award-winning service standards and the most aggressive pricing structure in the business, there is good reason for AxxessDSL's position as one of SA's four leading independent ISPs.

At its core, AxxessDSL sells and supports bandwidth products nationwide to its growing customer network; offering shaped and semi-shaped ADSL packages. Their ADSL bandwidth prices start from as little as R10 per GB, while they offer several month-to-month accounts and innovative Prepaid Vouchers for home users on a budget.

AxxessDSL continuously strives to offer their customers value-for-money service while exceeding their needs and expectations with faster Internet connectivity. Their list of services also includes website design and hosting, Wi-Fi Hotspots, and bulk SMS services.

AxxessDSL sales and support centres are open 24/7 and can be reached on 0861-300-900. Find them online at www.internet.co.za.

<p>SPECIALISTS in building customised computers for home, business and gaming</p> <p>PC PRO SHOP</p> <ul style="list-style-type: none"> • SALES • UPGRADES • REPAIRS • COMPONENTS • CONSUMABLES 	<p>MONDAY MADNESS!!!!</p> <p>Free assessment (health check + cleanup) for PCs and laptops. MONDAYS ONLY</p>
<p>Menlyn Park Shopping Centre Tel: 012 348 4000 menlynpcpro@gmail.com</p> <p>Menlyn Retail Park Shopping Centre Tel: 012 348 8212 Fax: 086 650 9096</p>	<p>TUESDAY FREE SKYPE WORKSHOPS</p> <p>During July from 14h00 to 15h00 Skype installation/set-up. We assist you with everyday Skype use. Booking Essential</p>
<p>Please bring advertisement to qualify for special</p> <p>PC PRO SHOP WE BUILD COMPUTERS</p> <p>• UNDERSTANDING SERVICE • Specials while stocks last, E & OE, only 1 per customer</p>	

43%. The percentage of adults who believe they can be found by searching through social networking sites. <http://tinyurl.com/techjuly>



Thanks to the PC and the Net many people are turning their backs on the old "all rights reserved" paradigm and embracing Creative Commons.

In the past there was a small group of people that monopolised the primary channels that information was distributed through. The people in charge of the newspapers, television channels, movie production houses and record companies had the power to decide what was broadcasted and when.

This power is quickly becoming diluted, as it is far easier now for anyone with a PC to become a content producer. Thanks to the Internet these producers have new and varied platforms on which to publish and distribute their content. Web services, such as YouTube, Flickr, Blogger and MySpace, have created channels through which user generated content can be disseminated and freely consumed. These services really do point the way forward to a new kind of publishing.

© too Restrictive

What the Internet has exposed is that the old, "all rights reserved" copyright paradigm, is too restrictive. It does not legally allow others to use, rebuild, remix and add on to copyrighted works (not that it is really a deterrent if you look at what's available on YouTube). According to Tobias Schoenwetter, Legal Lead of Creative Commons South Africa, "all-rights-reserved"-copyright often prevents gaining exposure and widespread distribution since it is simply too complicated. "For many

creators, sharing their works and thereby contributing to and participating in an intellectual commons to learn, get recognition and help others, are the main incentives for their creative activities – not a potential financial gain," says Schoenwetter.

What CC offers

Because of this many people are turning to Creative Commons (CC). CC sets out to bridge the restrictive usage of copyright by providing an alternative in the way creative work can be licensed. According to Schoenwetter, 2008 saw an estimated 130 million works worldwide licensed under Creative Commons. By releasing work under a CC license you define the copyright on your creation by setting certain limits on how your work can be used.

There are 6 types of licenses available which can be viewed at <http://creativecommons.org/about/licenses>. The licenses available allow for commercial use of your work or restrict it. They allow for any form of modification to your work by third parties and the terms under which such modifications can be made. It may sound complicated but it is really as simple as going to creativecommons.org/license/ and answering a few questions to see which license suits your needs. One of the most accommodating licenses is the "Attribution Share Alike" license; this allows anyone to use and build upon or your work, even for commercial purposes, as long as you are credited, and the resulting work is released under the same license.

If you want to learn more about CC or want to find CC licensed work, check out www.creativecommons.org.

[This article is published under the CC Attribution Share Alike License.]

imageTEK Entry Level Desktop Scanners



Plustek SmartOffice PS281

20 PPM / Feeder Capacity up to 50 pages
Scan to Searchable PDF / Small Footprint – Ideal for office use
Scan business cards with BCR software

NOW only R2399 incl vat
While Stock Lasts

Plustek SmartOffice PS286

25PPM/ 25IPM Scan Speed / 50 Sheet ADF Capacity / TWAIN & WIA drivers
Duplex and Simplex Color Scan / OCR/BCR (Business Card Recognition Software)



NOW only R3299 incl vat
While Stock Lasts



Available From: imageTEK

Tel: 011 608-1964

andrew@imagetek.co.za

Reduce your Spam



Written by Lance Turner, a 12-year Internet industry veteran and Chief Executive of Branded Internet – listed as one of SA's Top 50 ICTe Companies 2005/6 + 2006/7.

You must at some point or another have received spam and know the frustration and annoyance associated with it. Is it possible to stop spam entirely? Probably not, but with some simple precautions and software available online you can significantly reduce it.

An important step to take is to install Anti-Spam software, which will automatically "junk" suspect email. There are mainly two main types – some delete mail on the server and some delete mail on your home computer. The nice thing about programs which delete mail directly on the server is that it is done before you have to wait (and pay) to download spam. These are my recommendations for Anti-Spam programs:

- **MailWasher –** <http://www.mailwasher.net/>
Like with many software tools on the net, MailWasher comes in a free version and a paid-for pro version. The great thing about the free version is it is completely free, never expires and will work with almost any email program. MailWasher works by deleting spam before it is downloaded to your computer.
- **MailFrontier Desktop –** <http://tinyurl.com/55o5y>
MailFrontier automatically learns what email you like and dislike. In this way its performance improves the more you



use it. This program is really easy to install and use as a 30-day free trial.

- **Spam Bully –** <http://www.spambully.com/>
Spam Bully has a range of automated spam identification tools, and generally gets good results. One of the features I like most is the toolbar which integrates into your mail program, so you can classify and manage your emails quickly and easily. 14-day free trial.



- **Cloudmark Desktop –** <http://tinyurl.com/y98obj>
Cloudmark pioneered community-based spam filtering; its community now over a million strong. This feature is very powerful as PC users are themselves identifying potential spam. There are versions for Outlook, Outlook Express, Thunderbird and Windows Mail. 15-day free trial.



You can also reduce spam by simply following these Golden Rules:

- Don't reply, EVER! Don't even click on a link! If you do then the spammer knows you exist and that they get your attention, in which case your address is on the spam list.
- NEVER buy anything from a spammer. Firstly, don't make it worth their efforts, and secondly you'll only end up getting even more spam once they know that you buy.
- Make use of a secondary email address that you won't mind getting spammed when signing on for services on the Net.

If you have any questions or queries drop me a mail, lance@brandedinternet.co.za.

\$3 billion. The amount Spam costs the United States in wasted electricity alone, per year.

Give your customers ADSL

Become an ISP

Your company can now offer Internet services to your clients. We provide you with all the products and tools you need to be a successful Internet Service Provider

You own your customers
We provide the products
We take your support calls
We bill your customers

Find out how at
www.brandedinternet.co.za
or call us on 0861 branded

branded
internet

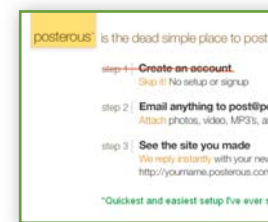
July Web Time Wasters



Tilt-shift photography is the art of making the people and objects in a landscape photo look like little toy figures (visit the Flickr tilt-shift group here – <http://tinyurl.com/yohrfn>). You're able to do this with either a very expensive tilt-shift lens, or a fair amount of Photoshop skills. Or not. Tilt Shift Maker is a little Java applet that will give your images the exact tilt-shift look it takes other hours, or a lot of bucks, to perfect. Simply select the photo you want and within a few minutes Tilt Shift goodness awaits. <http://tiltshiftmaker.com/>



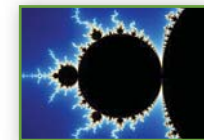
Always wanted to make your own comic strip, but did not quite possess the Drawing 101 skills necessary to get past the first panel? Stripgenerator takes away all this drawing non-sense to give you a quick and easy way to make your own comic strip. Choose from the different pre-designed characters, grab some speech bubbles, put in the text and voila – you are one step closer to being the next Charles M. Schulz. <http://stripgenerator.com/>



The easiest way to start micro blogging? Simply mail post@posterous.com. They'll mail you back and boom you have your own blog at <http://yournamehere.posterous.com>. It does not get any easier than that. Posterous is perfect for people not too interested in the how-to of running a blog, just posting new updates. <http://posterous.com/>

Wikipedia Weird and Wonderful

The strange world of MC Escher
http://en.wikipedia.org/wiki/M._C._Escher



Fractals within fractals within fractals
<http://en.wikipedia.org/wiki/Fractals>

The Swedish UFO memorial
<http://tinyurl.com/mtg69k>

The golden ratio, the divine proportion, 1.618
http://en.wikipedia.org/wiki/Golden_ratio

This is the way the world ends...
http://en.wikipedia.org/wiki/Technological_singularity

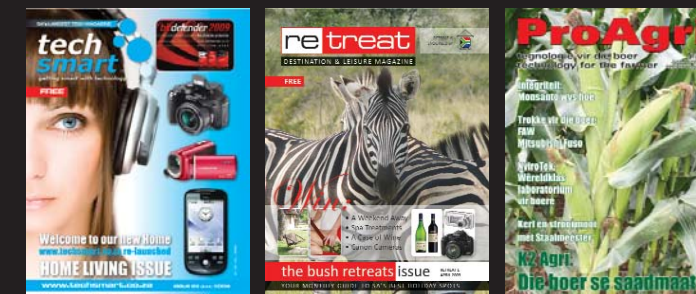
5 Must Watch Comics Online:

www.picturesforsadchildren.com
<http://xkcd.com>
<http://drmcninja.com>
www.thesecknots.com
<http://idiotcomics.com>



Did you know?

Smart Publishing now has three FREE to public magazines in our stable...



TechSmart Magazine

Technology Lifestyle
100 000 Copies

Retreat Magazine

Travel/Leisure/Hospitality
100 000 Copies

ProAgri Magazine

Agricultural Technology
60 000 Copies

For real value for money and actual return on your advertising investment, talk to us first.

Suzanne Anelda
012-362-2732 012-362-2732
083-742-6370 083-748-3413
suzanne@smartpublishing.co.za anelda@smartpublishing.co.za

SMARTPUBLISHING
MASS MEDIA SPECIALISTS



Wii MotionPlus Delivering on Promises

Many were disappointed by the Wii. It promised motion-sensitive gaming when it was released but didn't quite live up to expectations regarding sensitivity.

Nintendo finally delivered on the motion-sensitive promise last month with the launch of the Wii MotionPlus (WMP).

We got the add-on bundled with EA Sports *Grand Slam Tennis*. While we weren't overly impressed with the game, the add-on breathed new life into the Wiimote.

The accessory actually delivers on 1:1 response. You can spin, slice or flat hit shots and accurately direct them. However, the accessory doesn't really receive a proper testimonial based on its integration with



Grand Slam Tennis. So we'll just have to wait for next month's launch of *Tiger Woods PGA Tour 10* and *Wii Sports Resort* to make a more informed judgement.

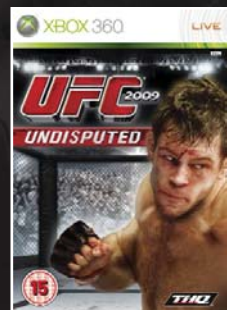
What we can say is that the WMP is easy to attach to the Wiimote, doesn't add too much bulk and generally feels comfortable. The bad news is that the WMP is more like a patch than an accessory. This means that buying it will basically become obligatory if you want to play future Wii titles. **R350** (incl VAT).

Craving more game reviews? Go to www.techsmart.co.za

Infamous



UFC: Undisputed



Grand Slam Tennis



DEMIGOD



Red Faction: Guerrilla

Winning Hearts and Minds



The art of revolution rests at the heart of Volition's *Red Faction: Guerrilla* (RFG). You are Alec Mason, a miner on Mars whose rebel brother is killed by the oppressive Earth Defense Force (EDF). For obvious reasons you join the freedom fighters/ terrorists with which your brother was affiliated.

RFG captures the dichotomy of asymmetric warfare convincingly; the use of guerrilla tactics and winning the support of the common folk being essential to your success.

The game is an open world, third-person shooter. Consequently you roam a large map picking up missions and side-missions – your over-riding objective to destroy EDF property and gain support for your cause.

While completing various missions you need to collect Salvage, the game's currency, found in the ruins of destroyed buildings. Salvage lets you purchase or unlock weapons and tools which ultimately allow you to destroy more strategic, and therefore more heavily guarded, targets.

While the game's Martian landscape is rather dull, as is to be expected, its Geo Mod 2.0 engine makes destruction sequences look and feel amazing. The engine allows for the near total destruction of any structure, in a realistic manner. To demolish a building you need to destroy its essential support structures. Just remember this when you decide to take cover from the EDF behind walls and other objects, as it works both ways.

I found little fault with the game. Frame-rates were solid, gameplay immersive and the control scheme logical. While missions can become repetitive they are always fun. Add to this a decent multiplayer offering and the game is a winner. [TM]

techsmart.co.za | July 09



Get a free Mine Walker Figurine with every prize Courtesy of Ster-Kinekor

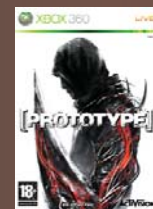
2 XBOX 360 & 2 PS3
RED FACTION:
GUERRILLA GAMES
UP FOR GRABS



Enter this competition on www.techsmart.co.za

Competition runs from 1 - 31 July 2009

17.4 million. The number of South African MTN subscribers. <http://tinyurl.com/techjuly>



Prototype Shapeshifting Bio-weirdness

Some people have said that *Prototype* is too easy a game. What a total lie.

I found it the perfect level of difficulty. It's hard enough to challenge you just the right amount so that you don't get bored, but not so difficult that you throw the wireless controller through the 40" Bravia. And it's entertaining. In fact, it's so entertaining I played for 20 hours straight and was still keen for more.

I suspect it's because Alex Mercer, the main character, is a fox and is on Parkour steroids. He can literally jump over buildings and fences and can morph into all sort of weird, albeit creepy stuff. Even other people, consuming them in the street while running. Seriously, you can literally grab onto a person, yank them to you, run up a building while holding onto them, and then consume them on top of the highest skyscraper. It's pretty hectic.

Alex has to find out what caused an outbreak of a virus that's infecting people and making them stumble around like zombies, attacking others. I'm no conspiracy theorist, but I don't think it was an accident, since the government and military are all over the place. His sister is his anchor, and she tells him where to go next and who to talk to. On

top of all this investigating, you have to beat down a whole host of freaky adversaries, such as hunters. They are ugly weird creatures, and difficult to kill, since they follow you everywhere once they've caught sight of you.

Importantly though, you get to upgrade your bio-weapons; the more things you do, missions finished, tanks exploded, the more credit you get to make your ultra-powers more lethal, your hammerfists more deadly, and extend your ground spike's range. The only weirdish thing is the timeline. I got a bit confused as you start at day 18, then pop all the way back to the beginning and then flip back to 18 to talk to a mystery character. I guess it could be the blonde showing through, but it's still a fantastic, awesome game worth hitting if you get a chance.

Prototype is kind of like playing a thriller-horror movie, but better. Less horror-ey though, more action and shooting and eating and flying helicopters and driving tanks over civilians. That's what it's all about essentially. *Prototype* SO much fun. Buy it. Play it. You'll see. [ZK]



MAHALA MADNESS!!

2 YEAR WARRANTY AND FREE DELIVERY! WE WILL BEAT ANY WRITTEN QUOTE!!

<p>R4299 excl</p>	<p>R6399 excl</p>	<p>R1199 excl</p>	<p>R569 excl</p>
<p>R2299 excl</p>	<p>R2999 excl</p>	<p>R1899 excl</p>	<p>R289 excl</p>
		<p>R999 excl</p>	<p>R649 excl</p>

Johannesburg: ☎ 011 444-5956 | 011 444-2347/8 | +27 11 262-0281 | 15 Dartfield Road, Kramerville, Sandton
 ✉ directsales@phase2.co.za | Trading Hours (Mon-Fri) 8h00 - 17h00 (Sat) 8h30 - 13h00
 Price V.A.T. Exclusive | Terms & Conditions Apply | E&OE | Product might differ from Images

RED FACTION GUERRILLA



SMASHAUTHORITY.COM



© 2009 THQ Inc. Developed by Volition, Inc. THQ, Volition, Inc., Red Faction: Guerrilla, Geo-Mod and their respective logos are trademarks and/or registered trademarks of THQ Inc. All rights reserved. All other trademarks, logos and copyrights are property of their respective owners. "PS3", "PLAYSTATION" and "PS3" are trademarks or registered trademarks of Sony Computer Entertainment Inc. "PlayStation" and "PS3" Family logo are registered trademarks of Sony Computer Entertainment Inc. Microsoft, Xbox, Xbox 360, Xbox LIVE, and the Xbox logos are trademarks of the Microsoft group of companies.



E3 2009 Round-up Your Gaming Shopping List... Just got Longer!

Held every year in LA, E3 is the world's best known gaming expo. Attracting the industry's leading game developers, platform developers and tens-of-thousands of gamers, E3 is arguably also the industries most spectacular event. This is what gamers can look forward to in the next year.

Project Natal

E3 got off to a bang with Microsoft announcing *Project Natal*, a motion sensing camera and voice activated controller for the Xbox 360. Film director Steven Spielberg, who attended the launch, said the demonstration of the control system was "a pivotal moment that will carry with it a wave of change, the ripples of which will reach far beyond video games", the Hollywood veteran being just vague enough to sound credible. On the games front Microsoft announced the upcoming release of *Metal Gear Solid: Rising*, *Left 4 Dead 2*, *Crackdown 2*, *Halo Reach*, and *Forza 3*.



PSP Go is go

Sony had much of its thunder stolen by Microsoft's motion-sensing camera, and the early news leak of its DS-Lite competitor the **PSP Go**. It still managed to put in a good showing, and unveiled its own motion-sensing controller and announced the impending release of *Final Fantasy XIV Online*, *Metal Gear Solid: Peace Walker*, and *The Last Guardian*.



Mario Everywhere

Nintendo, having announced their motion-sensing offering last year, made a number of game announcements. Predictably, most of these were **Mario** titles, including *Super Mario Galaxy 2*, *Mario vs. Donkey Kong*, *Mario and Luigi RPG: Bowser's Inside Story* and *New Super Mario Bros. 2*. Their most exciting announcement, however, was *Metroid: Other M*, a third person action adventure.



The Best of the Best

The other big title announcements were *God of War III* – the first run the GoW franchise will get on the PS3, and *The Beatles: Rock Band* (check out the amazing preview video here – www.thebeatlesrockband.com). The number of title announcements this year was mind boggling, and you can be sure that it will make up the bulk of the gaming gear you'll want to get your hands on.

techsmart.co.za | July 09

IOMEGA® STORCENTER ix2 NETWORK STORAGE

Protect, connect and share

Iomega® StorCenter™ ix2 Network Storage offers advanced security, storage and content sharing and is ideal for small networks. EMC's world class storage and security technologies are built-in and include EMC® Retrospect® backup software, RSA BSAFE encryption technology, plus RAID 1 protection. A four-click set-up, intuitive user interface, plus print server capability simplifies usage and a built in media server turns the device into a multimedia hub. Includes advanced features such as optional Bluetooth® upload, Axis™ security camera support and UPnP and DLNA media device capabilities! Available in 1TB and 2TB, supporting PC, Mac® and Linux® clients.



StorCenter Network Hard Drive



Iomega offers a wide range of professional storage solutions for your everyday needs.

www.iomega-europe.com
info.sa@iomega.com

© 2008 Iomega Corporation, Iomega, the Stylized "i" logo and StorCenter are registered trademarks or trademarks of Iomega Corporation in the U.S. and other countries. Certain other product names, brand names and company names or designations of their respective owners.

CONNECT YOUR WORLD

email video
internet
facebook
games
youtube
VOIP

ADSL options

R59.67 per GB

ADSL 3GB	→	R179 per month
ADSL 5GB	→	R299 per month
ADSL 7GB	→	R419 per month
ADSL 10GB	→	R599 per month
ADSL 15GB	→	R899 per month

Don't have an ADSL line yet?
Don't worry, call us to find out how to order one.

Please note: Our prices listed here exclude line rental.

Hosting options

from
R15.00 pm



Linux Starter Hosting	→	R15 per month
Windows Starter Hosting	→	R45 per month
Linux Econo Hosting	→	R49 per month
Dedicated Server Hosting	→	R1536 per month



All Webonline's hosting packages include the following features:

- South African or US Servers
- FrontPage Server Extensions
- Spam Filtering
- Plesk Control Panel
- Telephonic and Email support
- Virus Scanning
- Data Backups
- And more

For full details visit www.webonline.biz or call us on 0861-666-555