

GROUP TESTS

150 Notebooks

This month we've put a massive 22 notebooks through rigorous tests, so whether it be a desktop replacement or an ultra-slim model you're looking for, our group test is essential reading.



- 152 ACi Aspect, AJP 3300CDF
- 155 Dell Inspiron 7500,
Evesham Micros Voyager 6000
- 158 Fujitsu Siemens Lifebook E-6530,
Gateway Solo 9300 LS
- 163 Hi-Grade Notino AS7400-500,
HP Omnibook 4150B
- 166 Samsung GT7000XV, Sony Vaio PCG-F309
- 168 Acer TravelMate 342T, ACi Concept
- 170 Compaq Armada M300, Elonex Piranha
- 172 Fujitsu Siemens Lifebook B-2130,
Hi-Grade UltiNote AS8300-400
- 176 Panasonic Toughbook CF-37VB-62AH,
Rock Pegasus
- 180 Sharp PCA280, Sony Vaio PCG-505SN
- 183 Toshiba Portégé 3110CT,
Twinhead PowerSlim 600
- 184 SYSmark 2000 test results
- 186 Table of features
- 188 Editor's Choice

192 Hard drives

More and more space-hungry applications mean the choice of hard disk could make a big difference to your life. We put 15 of these tough customers to the test



- 194 IBM DeskStar 34GXP, Maxtor Diamond Max
Plus 40, Quantum Fireball CX
- 197 Quantum Fireball Plus KX,
Seagate Barracuda ATA, Seagate U8
- 198 Western Digital Caviar 307AA,
IBM UltraStar18LZX, IBM UltraStar 36ZX
- 201 Quantum Atlas IV, Quantum Atlas 10K,
Seagate Barracuda 50
- 202 Seagate Cheetah 18LP, Seagate Cheetah 36,
Western Digital Enterprise
- 207 Test results
- 211 Table of features
- 212 Editor's Choice

214 Visual programming tools

There are few choices for Windows development tools but in a web-oriented world it's vital you get the right package.



- 216 Microsoft Visual Basic 6.0
- 219 Microsoft C++ 6.0
- 220 Borland Delphi 5.0
- 222 Borland C++ Builder 4.0
- 224 Developing for the web
- 227 COM and ActiveX
Understanding the Windows API
- 229 Development futures
Visual Studio: The developer bundle
- 230 Table of features
- 230 Editor's Choice

FEATURES

EXCLUSIVE!

120 Linux evangelist speaks out

Eric Raymond talks to PCW about operating systems and why he believes Microsoft is on the way down



124 50 web tips

Building your website can be a doddle, but making sure it succeeds is harder. Here is some advice to get you on the right road

136 Help the aged

Got an old PC? Don't just take it to the dump, we've got some advice on how you can re-use some of the components and teach an old dog some new tricks



144 Test-tube Turing

The biological computer is nigh

148 Carbon updating

Computer memory technology and chip design could get a new treatment

REVIEWS

- 71 Boxing is the key to success**
Nik Rawlinson unpacks the secret of boxed software

HARDWARE

- 72 Dell Dimension XPS B800r**
An 800MHz Pentium III-based PC



- 73 Carrera Lynx W533**
Affordable machine for business use
- 74 Armari R8-S2000**
A high-class dual-CPU system
- 76 Toshiba Equium 2000**
A stylish notebook-cum-desktop PC
- 78 Mesh Matrix 850 Maxx**
AMD-based 850MHz PC
- 81 Atlas Meridian A850**
A power system at a great price
- 82 Micron Millennia 750**
One of the fastest systems around
- 83 Fujitsu PenCentra 130**
Industrial-strength handheld
- 85 Dell Inspiron 5000**
Notebook with SpeedStep technology
- 86 Hi-Grade UltiNote AS8400**
Fast, SpeedStep-based machine
- 90 Toshiba Satellite 2560 XDVD**
Desktop replacement with DVD

PERIPHERALS

- 91 ADI MicroScan G910**
No-frills 19in flat-screen monitor
- ATI Rage Fury MAXX**
Reasonably-priced fast graphics card
- 96 Sony SDM-N50**
Stunning, slim flat-panel monitor
- 97 CTX Panoview PV751**
Rotatable LCD monitor
- Toshiba SD-R1002**
CD-RW and DVD-ROM all-in-one
- 98 Sony Mavica MVC-FD88**
Floppy disk-based camera
- 99 Handspring Visor Deluxe**
Handheld to rival the Palms
- 100 Adaptec 29160 Ultra 160 SCSI card**
A card with massive bandwidth
- 104 Canon BJC-8200Photo**
Quality photo printer
- Canon BJC-85**
Printer for those on the move
- 105 Hewlett-Packard LaserJet 3150**
Multi-function device for the office



SOFTWARE

- 107 Dreamweaver 3 & Fireworks 3**
The best web combo around
- 108 NetObjects Fusion 5**
Business web-authoring tool
- 112 Novell NetWare 5.1**
Ecommerce-enabled OS
- 114 Cakewalk Pro Audio 9**
A great MIDI sequencer

REGULARS

- 9 Editorial**
- 10 Subscriptions and Back Issues**
- 12 Cover Disc Notes**
Full version of **IBM ViaVoice 98 Home** and a chance to try out ViaVoice Millennium Standard Edition
- 21 News and Analysis**
Transmeta's cool chip challenge to Intel; one Windows for all surprise as Windows 2000 ships; and Handspring speaks out over Dixons
- 65 Letters**
- 116 Best buys**
- 118 Gadgets**
Indulge yourself with our selection of gadgets - from chrome mice to a massive plasma screen
- 490 Faxback Service**
- 494 Reader Offers**

LEISURE LINES

- 496 Previews**



- 497 Games**
Delta Force 2
Imperium
Galactica II
Battlezone II
Slave Zero
- 501 Brainteasers and Crossword**
- 502 Competition**
- 503 Flashback**
- 504 Retro**
Commodore VIC-20

COLUMNS

- 56 Inside Information**
Gordon Laing has Bluetooth-ache
- 59 Straight Talking**
Barry Fox and his virus ills
- 60 Business Matters**
Brian Clegg votes for PCs over mobile phones
- 62 404 Not Found**
David Fearon on WAP

- 492 Buying Advice and Buyers' Charter**
- 423 Micromart**
- 487 Directory of Product Suppliers**
- 11 Index of Advertisers**



- 233 Introduction**
Your guide to *Hands On*
- 234 Q&A**
In our new section, our experts answer your queries
- 238 Workshop**
How to add those useful partitions to hard drives
- 241 Windows**
The Windows Resource Kit
- 244 Windows 2000**
Getting to grips with the basics
- 246 Windows NT**
Tracking down the phantom desktop and a return to ERDs
- 249 Unix**
A step-by-step guide to printing
- 251 Hardware**
The A-Z of sound cards
- 254 Office Applications**
Tips for word processing and spreadsheets
- 256 Databases**
Generating random numbers
- 259 Sound**
Idiot's guide to encoding MP3s
- 262 Graphics & DTP**
How to liven up boring text
- 264 3D Graphics**
The PCW logo gets a facelift



- 266 Visual Programming**
Converting ActiveX controls
- 270 Web Development**
Setting up data-driven systems
- 272 PDAs**
Strapping on a wearable PC
- 276 Networks**
Your Internet-security checklist