JULY 1995

20 Years
1975-1995

BYTE

THE MAGAZINE OF TECHNOLOGY INTEGRATION

First PCI Power Macs

**Virtual-Reality
Views into Business Data** PAGE 111
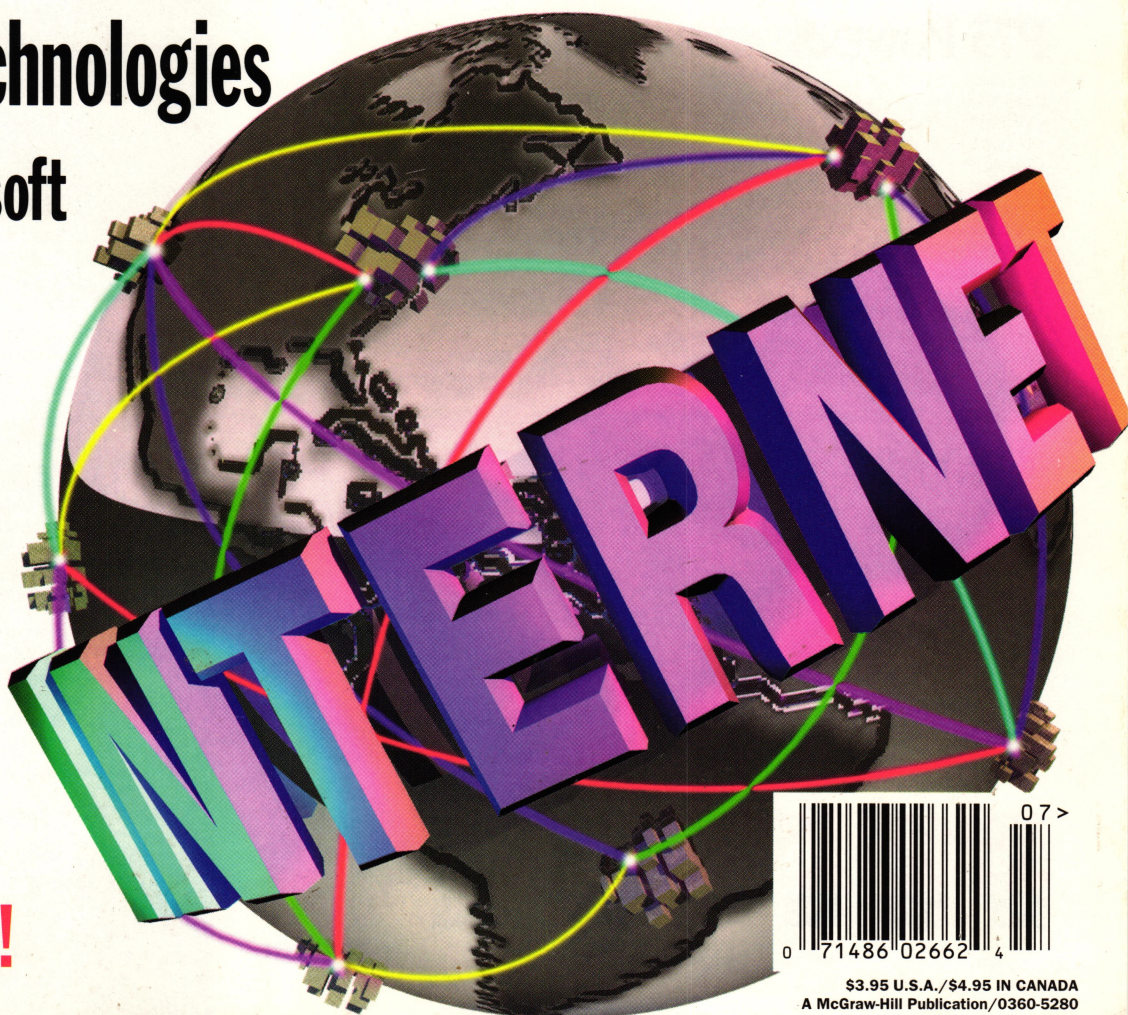
**New on Your Notebook:
Gigabytes of Storage** PAGE 25

THE W@RLD
YOUR COMMAND

10 Top Technologies
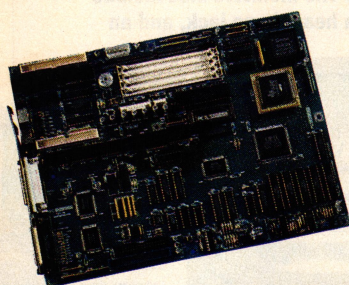
▶ **The Microsoft
Network**

▶ **The Web**

▶ **E-Cash**

▶ *AND MORE*

INTERNET

PLUS

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RUN WINDOWS ON YOUR PS/2 ▲

The Genesis\PC Replacement Motherboards allow the IBM PS/2 Models 25, 25 286, and 30 286 to run Windows, OS/2 Warp, NetWare, and other software. The motherboards ($295 each) provide a Texas Instruments 40-MHz 486DLC CPU; CMOS technology; sockets for 128 KB of second-level cache and a math coprocessor; two 16550-compatible serial ports; an Enhanced Parallel Port; a game port; PS/2 mouse, keyboard, and headphone connectors; the ability to accommodate an additional 32 MB of memory; and SVGA graphics. Two 16-bit ISA expansion slots are provided with the PS/2 Model 25 and 25 286 motherboards, three with the Model 30 286 motherboards.

Contact: PC Enterprises, Wall, NJ, (800) 922-7257 or (908) 280-0025.

Circle 990 on Inquiry Card.

NUBUS-BASED ISDN FILE TRANSFER BOARD

4-Sight Quatro can transmit files across as many as eight ISDN channels to attain data rates of up to 3.54 MB per minute. You can install up to four boards ($3495 each; bundled with 4-Sight's iSDN Graphics Super-highway Broadcast software, $5795 each) simultaneously, which provides 16 lines and 32 channels for data transmission. Diagnostic utilities automatically check the configuration to—as well as handshake with—ISDN lines and switches.

Contact: 4-Sight, West Des Moines, IA, (800) 243-0516 or (515) 221-3000; foursight @aol.com.

Circle 991 on Inquiry Card.

REMOTE NETWORK ACCESS

ConnectPlus LT, a multiprotocol, two-port, remote-access server, provides client-to-LAN access for remote users running TCP/IP, NetWare, and AppleTalk. Self-configuration features include automatic modem recognition, automatic protocol detection, and dynamic network addressing. Virtual-Port technology allows eight PCs to be simultaneously remote-control-ready and selectable on the LAN. In addition, ConnectPlus LT ($899) provides telecommuters and remote users with dial-in access to the Internet.

Contact: Emulex, Costa Mesa, CA, (800) 854-7112 or (714) 662-5600; literature@ emulex.com.

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MULTIPROCESSOR SUPERSERVER

Capable of handling up to four 90- or 100-MHz Pentium processors, the Star Q SMP superserver (from $7500) can accommodate 13 dual hot-swappable drive bays and three VESA and 10 32-bit EISA expansion slots. An LVL-Bus video card has 1 MB of video RAM, upgradable to 2 MB. The system's 64-bit multiprocessor bus has a throughput of 267 MBps. Each CPU board includes, in addition to the processor, a cache controller and 256 KB of two-way set-associative write-back cache RAM. The Star Q SMP comes with a BusLogic EISA SCSI controller or, for a RAID configuration, a Mylex multi-channel controller.

Contact: Star Technologies, Laguna Hills, CA, (714) 768-6460; leigh@startech.com.

Circle 993 on Inquiry Card.

ETHERNET SWITCHES ▼

Winswitch and Openswitch are fully expandable via 100-Mbps Fast Ethernet, an integrated 1.44-Gbps Netbus link, 10-Mbps ports, or an ATM port. Both products provide eight 10-Mbps ports with auto-detecting half- or full-duplex capability. For use with small- to medium-size peer-

to-peer networks, Winswitch ($2400) supports 512 Ethernet user addresses; Openswitch ($3500), intended for medium- to large-size client/server networks, supports 4096 Ethernet user addresses and provides transparent connectivity among network operating systems. Expandability features in both devices support stacks of up to eight switches for a total of 64 dedicated 10-Mbps ports or segments.

Contact: NetCorp, Brossard, Quebec, Canada, (514) 923-4040; info@netcorp.qc.ca.

Circle 994 on Inquiry Card.

14.4 PCMCIA FAX MODEM

A V.32bis PCMCIA fax modem, the Zoltrix PCM144 can send and receive faxes and transmit data at 14.4 Kbps. V.42bis error correction and data compression enable a throughput of up to 57.6 Kbps. The Zoltrix PCM144 ($155) comes with PCMCIA configuration software as well as BitWare fax and data software.

Contact: Zoltrix, Fremont, CA, (510) 657-1188.

Circle 995 on Inquiry Card.

INTERNET-READY PCS

The Innova Media Series of PCs offer PCI, plug-and-play capability, and bundled software for instant cruising on the Internet. The systems (from $1699) come with 14.4- or 28.8-Kbps full-duplex fax modems and preloaded software for easy Internet access. The series includes five models: the MT4900 (100-MHz 486DX), MT7010 (75-MHz 586 Pentium), MT9010 (100-MHz 586 Pentium), MT7000 (75-MHz 586 Pentium), and MT9100 (100-MHz 586 Pentium). The PCs also come with 8 or 16 MB of RAM (expandable to 128 MB), quad-speed CD-ROM drives, amplified speakers, and a 16-bit sound card and provide enhanced video, hard drive, and peripheral performance.

Contact: Canon Computer Systems, Costa Mesa, CA, (800) 848-4123 or (714) 438-3000; gocanon@compuserve.com.

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