

# Solutions for Internet and Network Service Providers

For software-based scalability, service providers and carrier systems choose the high-performance AccessBuilder® 8000 digital access system from 3Com. It meets a full range of customer needs, from fast dial-up access to the Internet to integration of data networks and ISDN WAN connections. And the system operates with a full range of access products from 3Com.

The system is completely software defined. With the AccessBuilder 8000 platform, network service providers are free from the expense and problem of hardware-based systems. Providers are able to control costs and scale system capabilities. New features can be downloaded from network control centers without any hardware changes. One system replaces many ISDN, PSTN, and wireless devices, simplifying and integrating provider connections.

As a center for ISDN communications, the AccessBuilder 8000 system provides the bandwidth of ISDN PRI channels combined with Data Network Gateway (DNG) connections to TCP/IP networks. The result is high-performance service that unifies telco and data network technologies to realize the performance advantages offered by rapidly proliferating ISDN lines.

The AccessBuilder 8000 remote access system handles myriad technologies, integrating T1/E1 and PRI telco interfaces; V.120 terminal adapters; V.34, cellular, and transaction modem connections; and WAN links to the Internet and other IP networks. A single system can scale to hundreds of ports for efficient deployment of large networks.

With the AccessBuilder 8000 system, service providers and carrier systems have unmatched flexibility.

- High-density system scalability up to hundreds of ports for flexibility in integrating corporate data flow and ISDN PRI WAN communications
- All-digital redundant architecture to improve service quality
- Carrier-class reliability with features such as hot-swap replacements
- Reduced time-to-market for new access services with AccessBuilder 8000 software downloads from a network control center
- Lower operating costs through AccessBuilder 8000 system integration, reducing space requirements, cabling needs, and equipment costs

### Choices for Internet and Network Service Providers—A Remote Networking Buyer's List

#### AccessBuilder 8000 Integrated Remote Access System

AccessBuilder 8000 access concentrators page 8-4

#### AccessBuilder Remote Office Bridge/Routers

AccessBuilder bridge/routers for ISDN PRI and BRI connectivity pages 8-8 through 8-11

#### 3ComImpact IQ External ISDN Modem

3ComImpact™ IQ external ISDN modem (available in the U.S. and Canada only) page 8-22





3Com's software-defined AccessBuilder 8000 remote access system simplifies access enhancements, cuts time-to-market for new provider technologies, centralizes management, and ensures carrier-class reliability.

*To integrate high-speed LAN and WAN backbone links, AccessBuilder 8000 supports TCP/IP (including remote node access via PPP, SLIP, and CSLIP), ISDN PRI, and X.25.*

