Solutions for Connecting IBM Sites

IBM customers are now looking for ways to integrate valuable SNA resources with evolving LAN and WAN systems capable of supporting bandwidth-intensive future applications, such as multimedia on the World Wide Web. As a single-source provider of network products and services, 3Com is ideally positioned to deliver end-to-end systems that provide smooth, reliable SNA migration. Our systems let IBM customers manage costs while controlling network performance and stability.

To integrate IBM SNA and WAN connectivity, NETBuilder II® routers support Data Link Switching (DLSw), Boundary Routing® system architecture for SNA, Frame Relay solutions, and APPN/HPR. Our DLSw implements RFC 1795 to encapsulate, or "tunnel," SNA and NetBIOS traffic over IP networks—a way to provide network connections for the full range of SNA units.

SuperStack™ II NETBuilder® routers support Token Ring and Ethernet LANs, analog and ISDN lines, and prioritized SNA traffic over 3Com's Boundary Routing system architecture. With SuperStack II NETBuilder platforms, you can cost-effectively expand remote site connections. Boundary Routing system architecture keeps network complexity at the central site, saving administrative costs in branch offices.

Our Boundary Access Node (BAN) implementation supports direct Frame Relay communication from a remote NETBuilder platform to an IBM 3745 front-end processor. And 3Com's Advanced Peer-to-Peer Networking (APPN) with High Performance Routing (HPR) builds robust, scalable multiprotocol internetworks that natively support SNA LU 6.2 applications.

The ONcore® Integrated System, available in 7-, 10-, and 17-slot models, gives enterprises a tremendous range of features: high-speed backplane switching for Token Ring, Ethernet, FDDI, and ATM; robust fault tolerance; and the flexibility to grow step by step. The system also offers remote access modules for individual-to-LAN connections and terminal server modules to give remote terminals access to corporate data resources via modems.

- End-to-end solutions including NETBuilder II and SuperStack II NETBuilder systems that support native SNA routing via APPN
- Integration of legacy SNA devices via Data Link Switching (DLSw)
- SuperStack II NETBuilder routers with Boundary Routing system architecture to support prioritized SNA traffic together with simplified router administration
- SuperStack II system flexibility to tailor SNA integration to every network environment
- All-in-one Token Ring and Ethernet connections with the ONcore Integrated System, and ONcore system fault tolerance to implement mission-critical networking

Choices for Connecting IBM Sites—A Remote Networking Buyer's List

NETBuilder II and SuperStack II NETBuilder Routers

NETBuilder II chassis and modules **pages 7-4 through 7-9**
NETBuilder Software **pages 12 through 7-13**
NETBuilder II WAN Extender 2T1 and 2E1 interfaces for ISDN PRI **page 7-10**
SuperStack II NETBuilder routers for Ethernet, Token Ring, Ethernet with ISDN, and Token Ring with ISDN **pages 7-14 through 7-20**

ONcore Integrated System

ONcore Integrated System 7-, 10-, and 17-slot chassis **pages 6-17, 6-19**
ONcore Integrated System modules **pages 6-18, 6-20 through 6-28**

SuperStack II System

SuperStack II switches and hubs for Token Ring and Ethernet, plus SNA-to-LAN converters and components for fault tolerance **Section 3**

Solutions for Connecting IBM Sites

3Com's strategy for the IBM environment provides end-to-end, evolutionary solutions that integrate LANs, WANs, and legacy systems.