IBM Networking 8371 Multilayer Ethernet Switch

8371 Multilayer Ethernet Switch Sales Reference Sheet

Highlights

- Sixteen 10/100BASE-TX auto-sensing ports
- Two module slots
- Modules include 8-port 10/100BASE-TX, 8-port 10/100BASE-FX and 2-port ATM OC-3
- Expandable to 24 or 32 10/100-Mbps Ethernet ports
- High-performance Layer 3 Ethernet switch
- Compact, efficient packaging
- Increased flexibility and network connectivity
- Management console port
- Built-in control software in EPROM and flash memory
- Built-in auto-ranging, auto-sensing ac power supply
- Multiprotocol over ATM (MPOA) client function for IP and IPX
- MPOA load balancing and redundancy support for dual ATM links
- Self-learning IP routing

Features and Benefits

- Provides Ethernet desktops, downstream Ethernet hubs and switches access to ATM or Fast Ethernet backbone networks and servers
- Ships with a control software package that provides next-generation ATM network services of LANE Version 2 and MPOA
- Provides local, wire-speed Internet Protocol (IP) and Internet Packet Exchange (IPX) routing between Fast Ethernet ports on the same module and MPOA virtual one-hop routing over the ATM backbone network
- Includes self-learning IP routing that offloads and extends the life of the installed routers
- Connects a variety of high-speed Fast Ethernet, ATM backbones and server links that will meet the high-performance IP routing requirements
- Provides LED indicators on the front panel that indicate the hardware and software status of the switch, power supply and link activity status
- Will deliver Gigabit Ethernet, ATM OC-12 and full Ethernet Layer 3 switching, including Open Shortest Path First (OSPF) and port trunking later in 1999

Key Selling Points

- The 8371 technology, along with the 8265 Nways® ATM Switch, the MSS and 8270 Token-Ring Switch delivers the most complete ATM solution in the industry.
- The 8371 employs a state-of-the-art chip set that yields a 10-Gbps non-blocking, full-duplex switch fabric for high performance in the most demanding networks.