Designed for the future—available today

PRODUCT
UPDATE

IBM 8260 Nways Multiprotocol Switching Hub

- **An intelligent hub, LAN switching and ATM—all in one unit**

- **Dependability**

- **Fault tolerance that includes redundant units for any modules**

- **Full RMON and RMON2**

- **Integrated LAN and ATM management**

- **Three sizes to accommodate a range of networks**

- **Flexibility**

- **Investment protection**

- **Award-winning MSS support**

- **Easy migration from shared-media LANs to LAN switching**

- **Interchangeable modules**
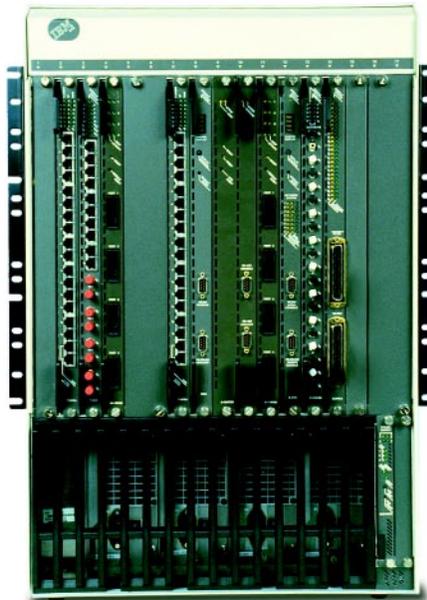
The IBM 8260 Nways® Multiprotocol Switching Hub delivers flexibility, reliability and manageability in a single, high-capacity multiprotocol hub. Designed for multiworkgroup and campus backbone applications, the 8260 delivers the functions to build high-speed ATM networks while you continue to connect existing Ethernet, Token-Ring and FDDI networks.

Positioning and Benefits

You can use the IBM 8260 Nways Multiprotocol Switching Hub as a traditional, high-end mixed LAN concentrator/switch for medium-to-large networks, as a central concentrator in collapsed-backbone networks or as the high-speed backbone switch in campus networks. With the 8260 you can create collapsed-backbone LANs that combine increased security with the potential for greatly reduced costs through centralized networking equipment. The 8260 provides remote module configuration and per-port switching for efficient microsegmentation without costly, error-prone trips to the wiring closet. The 8260's high capacity gives you maximum use of hub slots and wiring closet space, with higher port density and more segments per hub. This saves space in the wiring closet and lowers your cost per port.

You can start today with shared-media and switched LAN networks with leading-edge management features and add at your own pace either ATM backbone uplinks or ATM-to-the-desktop switching—all this by the simple addition of new modules or features. Add to this the 8260's increased automation of fault detection, isolation, correction and recovery, plus enhanced ATM functions. You will see why the 8260 is an excellent way to meet your needs today—with the capacity and flexibility to meet your needs for the networks you'll build in the years to come.

Problem: Need to consolidate and connect Ethernet, FDDI and ATM

Environment: 10-Mbps shared IBM 8222 Ethernet Workgroup Hubs and IBM 8224 Ethernet Stackable Hubs are connected to 8273 or 8271 switches, to Fast Ethernet.

1. *8260 ATM Switch*

2. *ATM uplink*

3. *Fast Ethernet/OC3*

4. *Department servers*

5. *Central server*

6. *MSS*

7. *WAN*

8. *8223/8225*

9. *8222/8224*

10. *8271*

11. *Fast Ethernet FDX fiber uplinks*

12. *8273/8274*
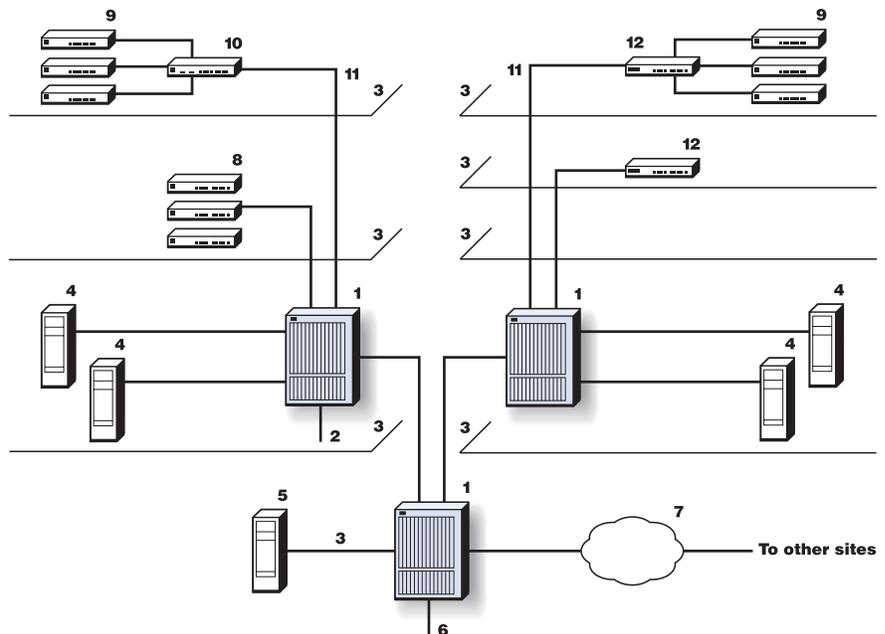
Solution: A Packet Channel/ATM Switching Module for the 8260 gives you a high-performance solution for building backbones that combine Fast Ethernet and ATM switching.

Benefits
- Advanced backplane architecture
- Intelligent power and inventory management
- Extensive fault tolerance
- Investment protection built in

Problem: Need to consolidate and connect Ethernet over an ATM backplane

Environment: 10-Mbps or 100-Mbps dedicated or shared Ethernet LANs connected to 8271, 8273 or 8274 switches.

1. *8260 ATM Switch*

2. *8273/8274*

3. *622 Mbps*

4. *Dedicated 10- or 100-Mbps*

5. *Shared 10- or 100-Mbps Ethernet*

6. *25 Mbps*

7. *8285*

8. *8271*

9. *155 Mbps*

10. *8272*

11. *Servers*

12. *Network management station*
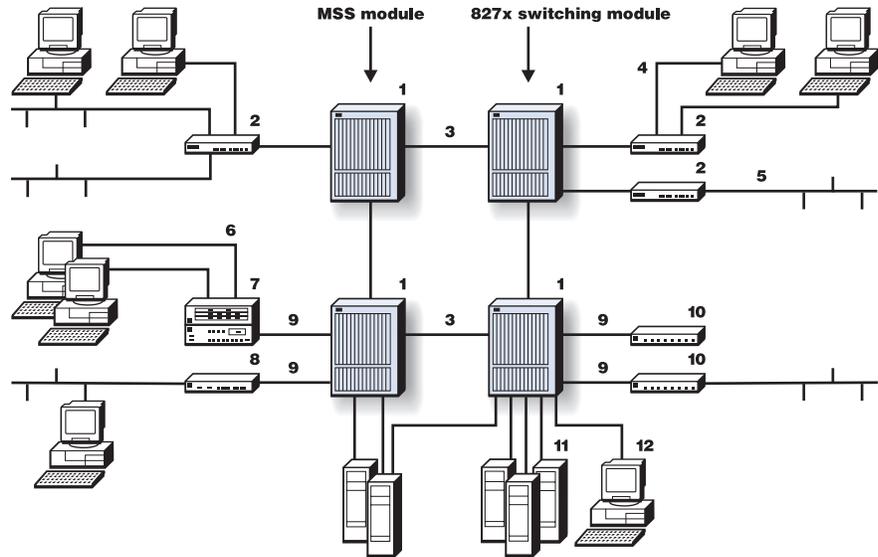
Solution: Fast Ethernet modules in the 8260 with Packet Channel-to-ATM connectivity allow Fast Ethernet servers or Ethernet switches with Fast Ethernet uplinks transparent connectivity to ATM and Multiprotocol Switched Services (MSS).

Benefits/Selling Points

- Advanced backplane architecture
- Intelligent power and inventory management
- Extensive fault tolerance
- Investment protection built in

Product Overview

The IBM 8260 Nways Multiprotocol Switching Hub is an intelligent hub that supports Ethernet, Token-Ring, FDDI and ATM networks. It comes in three chassis sizes:

Model 017 has 17 slots. The redundant fault-tolerant controllers do not require a slot. They are hot-pluggable and front-loadable into special compartments outside the slot area. This model is field-upgradable to be ATM and Packet Channel ready.

Model 010 is a compact, 10-slot version that has the same state-of-the-art characteristics as the 17-slot model. It is also field-upgradable to be ATM and Packet Channel ready.

Model A17 is a 17-slot chassis with an integrated ATM backplane in addition to the 8260 and 8250 backplanes for Ethernet, Token Ring and FDDI. For ATM operation a combined ATM Switch and Control Point Module and at least one ATM Concentration Module must be installed. A maximum of 14 ATM Concentration Modules can be installed.

Model A10 is a 10-slot chassis with an integrated ATM backplane in addition to the 8260 and 8250 backplanes for Ethernet, Token Ring and FDDI. A maximum of eight ATM Concentration Modules can be installed.

Model G17 is a 17-slot chassis with an integrated ATM and Packet Channel backplane in addition to the 8260 and 8250 backplanes for Ethernet, Token Ring and FDDI. A maximum of 144 ports of switched Ethernet can be installed.

Model P17 is a 17-slot chassis with an integrated Packet Channel backplane in addition to the 8260 and 8250 backplanes for Ethernet, Token Ring and FDDI. A maximum of 612 shared Ethernet ports is offered for the most complex networks and supports up to 204 ports of switched Ethernet or 136 switched Token-Ring ports or 42 ATM OC3 ports.

Model P10 is a 10-slot chassis with an integrated Packet Channel backplane in addition to the 8260 and 8250 backplanes for Ethernet, Token-Ring and FDDI. A maximum of 360 shared Ethernet ports is offered for less demanding networks and supports up to 120 ports of switched Ethernet or 200 shared Token-Ring ports.

Model P07 is a 7-slot chassis with an integrated Packet Channel backplane in addition to the 8260 and 8250 backplanes for Ethernet, Token Ring, Fast Ethernet, ATM and FDDI as well as 827x or Switching Module Series switching modules. A maximum of 360 shared Ethernet ports is offered for less demanding networks and supports up to 168 ports of switched Ethernet or 56 switched Token-Ring ports.

With more than 70 modules available, the 8260 combines the functions of a shared-media, modular, intelligent hub with LAN and ATM switches in a single unit, providing a smooth migration path from shared-media to high-speed switched networks. The 8260 accepts a wide range of Ethernet, Token-Ring, FDDI, ATM and unique features such as MPEG-2 Video Distribution Modules and can also accept any module from IBM's midrange 8250 Multiprotocol Intelligent Hub.

The 8260 eliminates the need for multiple devices, reducing cost and network complexity. With its fault-tolerant features, like hot-swappability, intelligent power management and a distributed management system, the 8260 can improve overall network availability and reduce the cost of operation and ownership.

Designed for dependability

The 8260 Switching Hub design is based on a passive backplane with no components that can fail. Critical components like fans, power supplies, controller modules and management components can be configured for

redundancy. Power supplies, controller modules and hub modules can be accessed from the front of the 8260 and changed while the 8260 is operating without disrupting other components. All hub modules are also hot-swappable and can be installed in any available hub slot, except the ATM Switch and Control Point Module, which has a fixed position. All hub components are designed for automatic switchover and recovery. When a problem occurs your LAN remains operational, without interrupting users or applications.

The 8260 not only minimizes outages through redundancy if components fail, it intelligently manages its resources to avoid failures. The intelligent power management system of the 8260 evenly distributes the load among all the power supplies installed in the hub. There is no single point of failure. If one unit fails, its load is redistributed among the remaining units. When a replacement or additional power supply is installed, the load is instantly and automatically redistributed.

When a new module is inserted in the 8260, the controller checks to determine whether sufficient power is available. If not, the controller prevents the module from being powered up and raises an alert without affecting any user. When more than one power module is installed, the user can select whether to run in redundant mode or capacity mode. Optional -48 V dc power supplies are also available.

The 8260 uses a unique concept in network management for Token-Ring and Ethernet LANs called Distributed Management, which uses distributed management modules (DMMs) and LAN-monitoring daughter cards or imbedded monitoring agents on selected media modules. These daughter cards don't use module slots—they plug into 8260 Distributed Management Carrier Modules or 8260 LAN media. These cards act as

independent monitoring agents, with their own processor and memory, and pass traffic counters and events to the DMM via the management bus on the backplane. The entry-level daughter cards deliver RMON monitoring functions, while the high-end cards deliver extended capabilities such as RMON2 and traffic generation. Because you select only the daughter cards you need, Distributed Management allows you to pay for only the management options you need. In the case of the Ethernet and FDDI switching modules, the RMON agent is imbedded on the module motherboard itself.

Both the DMM and the media modules save configuration information. Media modules retain their configuration when moved between slots or hubs. Management can be done locally or via an SNMP manager—fitting into the management system you decide is best for your organization.

The Advanced DMM/Controller Module allows you to save a slot in the 8260 by integrating the DMM and controller functions on a single module, which occupies a controller slot. And this module provides both improved performance over earlier DMM modules and fast SNMP response time, even in heavily loaded networks. Inventory management is a function of the 8260 that automatically collects the vital product data, such as serial numbers for modules and cards and engineering levels. In the case of ATM-only configurations, the vital product data is collected by the ATM Switch/ Control Point Module. This inventory list is then sent to the network administrator via the network. There is no need to track which modules are installed and their locations; this is done automatically by inventory management.

In ATM configurations only, the DMM is not required because the ATM Switch and Control Point Module monitors the switch environment.

Designed for high capacity

The 8260 Switching Hub comes in three sizes to accommodate a range of network configurations with or without ATM or a Packet Channel or both. Each size accepts all 8250 and a set of 8260 modules depending on the type of installed backplanes, for full flexibility and easier inventory control. For shared-media networks each can support up to 8 Ethernet, 17 Token-Ring or 4 FDDI networks on the backplane. Because the fault-tolerant controller modules do not require a hub slot, all the slots are available for concentrator modules. A 17-slot version, which supports up to 612 shared Ethernet ports, is offered for the most complex networks and supports up to 408 switched Ethernet ports, or 136 switched Token-Ring ports or 42 ATM OC3 ports. A smaller, less expensive 10-slot version, which supports up to 360 shared Ethernet ports or 200 shared Token-Ring ports, is offered for less demanding configurations. The 10-slot and 17-slot 8260s can be ordered with or without the optional ATM backplane or Packet Channel. The ATM or Packet Channel backplane can be installed later at your site.

If you're looking for a low-cost platform for workgroup LAN switching, consider the 7-slot 8260 model with Packet Channel. This compact 8260 smoothes the transition from an 8250 to a LAN switching environment. It supports up to 168 switched Ethernet, 126 switched Fast Ethernet or 56 switched Token-Ring ports–as well as all current 8260 chassis features like dual controllers, power redundancy, power class management and inventory management. It also offers full RMON and RMON-2 management, port- and packet-switching, and full management redundancy. The 7-slot 8260 is an excellent solution for your congested wiring closet because it accepts 8250 and 8260 LAN concentration modules as well as 827x or Switching Module Series switching modules. The P07 also

provides a highly efficient, small form-factor ideal for congested wiring closets. And it supports Ethernet, Token-Ring, Fast Ethernet, FDDI and ATM uplinks to servers and backbones.

Designed for flexibility

The 8260 Switching Hub not only supports a wide range of media and module types, it also uses a broad range of switching alternatives to help you get the most from your network. The 8260 incorporates the industry's broadest range of network switching technologies to make tuning and reconfiguring easy. The 8260 uses modules that support port-switching (patch-panel function) for additional flexibility—any user can be moved to any network, simplifying and reducing the cost of moves and changes. This feature, when combined with LAN switching, helps balance traffic loads and simplifies the transition from shared-media networks to switched networks.

Designed for investment protection

The 8260 Switching Hub provides both performance relief and investment protection for Ethernet and Token-Ring users whose networks are becoming bandwidth-constrained. The IBM 8271 and IBM 8272 LAN Switch Modules, in 2- and 3-slot versions, offer all of the award-winning functions of the IBM 8271 Nways Ethernet LAN Switch and the IBM 8272 Nways Token-Ring LAN Switch while preserving your investment in software, adapters and building cabling. By choosing these LAN switch modules you also benefit from the 8260's intelligent, redundant power supplies, comprehensive management and hot-swappability. And the two or four Universal Feature Card (UFC) slots accept all UFCs designed for the 8271 or 8272, including uplinks to ATM backbones. New RMON UFCs extend industry-leading RMON capabilities to 8272 LAN and ATM/LAN Switch Modules.

The 8271 or 8271 ATM LAN Switch Modules also enable LAN networks to be interconnected with an ATM backbone via the high-performance and low-cost advantages of LAN switching technology. New or up-graded models of the 8260 that are equipped with a Packet Channel support our family of 10BASE-T/FL/FB, 100BASE-TX/FX LAN and FDDI switches that are excellent for use in high-density environments. Some modules provide one or two ports for a FDDI DAS connection, allowing you connection to a FDDI backbone network.

Easy migration from shared LANs to desktop Ethernet and Fast Ethernet Switching

For an Ethernet switched network or for migration from a shared to an Ethernet switched network, use the 24-port Ethernet Telco Switching Module. It's an easy change to make–simply remove an existing shared Telco module and replace it with a switched module. Compared with an RJ-45 solution, this module offers lower cost and higher port density.

The Packet Channel/ATM Switching Module facilitates migration to ATM from Ethernet and FDDI network nodes by evolving your network to new technolo-gies without major investments for new equipment and cable. This switch module allows you to build shared, switched or ATM campus networks and to mix them with an industry-leading level of flexibility, manageability and fault tolerance.

Enhancements to the 8260 Packet Channel/ATM Switching Modules include new modules that improve on the high level of scalability, flexibility and functionality offered by the IBM suite of LAN Ethernet and FDDI switching solutions. The 20-port 10BASE-T Switching Module delivers higher port density with a lower per-port price, while the 18-port 100BASE-TX Switching Module allows a smooth migration path from shared Ethernet networks to switched 100BASE-TX.

The new modules connect to the 2-GB Packet Channel backplane and use their own ISC4000 Switching ASIC to ensure maximum bandwidth scalability, delivering higher htroughput, enabling local module switching and enabling switching to and from the Packet Channel backplane.

These modules also offer high-function backbone features, such as support for 32 000 MAC addresses each, user-definable MAC address filters, support for 64 protocol filters each and support for traffic prioritization based on protocol type. Each module also allows you to form Layer 2-based Virtual Networks, allowing your network managers to effectively segment access and management of their networks.

The power of multiprotocol switched services

The IBM 8210 Multiprotocol Switched Services (MSS) Server Module, func-tionally equivalent to the stand-alone IBM 8210 MSS Server, is the key to implementing Switched Virtual Net-working in environments that combine workgroup LAN or ATM switches and ATM backbones. Because the MSS Server Module provides ATM Forum-compliant LAN Emulation (LANE), you can have virtual LANs (VLANs), enhanced broadcast management for LANE, bridging and routing between emulated LANs (ELANs), IP routing over ATM (including Classical IP) and IPX routing on ELANs. And all available on our reliable, fault-tolerant, ATM-backplane-equipped models.

Designed for the future

Built into every 8260 Switching Hub is the ability to support high-speed networks like ATM in addition to today's Ethernet and Token Ring. The 8260 uses flexible ATM switch and media modules at various speeds (1.5, 2, 25.6, 34, 45, 100, 155 and 622 Mbps) to integrate ATM support with Ethernet and Token Ring in a single box. The switch

module, which also includes an integrated control point and runs standard protocols such as UNI and PNNI-1, uses IBM's advanced Switch-on-a-Chip, which is a nonblocking, 2.2-million-transistor integrated circuit with over 4-Gbps capacity. Up to two ATM Switch and Control Point Modules can be installed in the 17-slot 8260, for fault-tolerant ATM switching.

ATM Control Point Microcode Version 3.1 supports super ELANs for 8260 and 8265 integrated LAN Emulation Server/Broadcast and Unknown Server (LES/BUS), allowing cut-through ATM switching between ELANs when in a network with MSS. This improves overall network performance because remote locations can be started via LES/BUS local processing, instead of involving the central MSS with remote registration. Control Point Microcode Version 3.1 simplifies migration from the pre-standard version of PNNI to standard PNNI.

Because the ATM Switch and Control Point Module and the ATM media modules are separated, you can have any combination of 25-Mbps, 100-Mbps, 155-Mbps and 622-Mbps modules you need, for up to one hundred sixty-eight 25-Mbps ATM ports, fifty-six 100-Mbps ATM ports, forty-two 155-Mbps ATM ports and seven OC12 ATM ports. ATM WAN modules with E3, DS3 and full SONET/SDH interfaces or E1/T1/J1 enable direct connection between 8260-based ATM networks over WANs. WAN 2 modules now support up to two E3/DS3/OC3/STM-1 I/O cards.

IBM is demonstrating its commitment to standard interfaces by providing PNNI-1 protocol. The PNNI-1 protocol is suitable for all ATM network configura-tions because it brings interoperability with other ATM switch products due to its standardization. And IBM is adding to its PNNI-1 implementation many extensions that were already available in the pre-standard version, and that demonstrated its values for running robust networks. All existing 8260s can upgrade to run the PNNI-1 protocol.

The ATM Video Distribution Module uses the latest MPEG-2 compression technology and allows high-quality broadcast of video streams over 8260 ATM networks, sharing the infrastructure with data traffic. It uses as a video source either an IBM 8300 Video Access Node from First Virtual Corporation or an IBM MediaStreamer® Video Server.

The 8260 also has an innovative, open program, the ATMKit Development Program, which helps other developers add their own ATM functions to the 8260. For example a Circuit Emulation interface over ATM is available from

Litton Network Access Systems, allowing the consolidating of PBX traffic over ATM backbones. In addition, Odetics Telecom offers a Frame Relay-to-ATM Internetworking card that supports the transport of Frame Relay access traffic.

8260 Nways Multiprotocol Switching Hub Specifications

Physical specifications

Model 017	Width: 440 mm (17 in.) Depth: 395 mm (15.5 in.) Height: 673 mm (26.5 in.) Weight: 21.9 kg (48.3 lb)	Power: 2 kVA Line voltage: 100 to 240 V ac Frequency: 50 to 60 Hz
Model A17	Width: 440 mm (17 in.) Depth: 395 mm (15.5 in.) Height: 673 mm (26.5 in.) Weight: 23.2 kg (51.1 lb)	Power: 2 kVA Line voltage: 100 to 240 V ac Frequency: 50 to 60 Hz
Model 010	Width: 444 mm (17.5 in.) Depth: 386 mm (15 in.) Height: 497 mm (19.5 in.) Weight: 19.8 kg (44 lb)	Power: 2 kVA Line voltage: 100 to 240 V ac Frequency: 50 to 60 Hz
Model A10	Width: 440 mm (17 in.) Depth: 386 mm (15 in.) Height: 497 mm (19.5 in.) Weight: 19.5 kg (45.4 lb)	Power: 2 kVA Line voltage: 100 to 240 V ac Frequency: 50 to 60 Hz
Model P17	Width: 440 mm (17 in.) Depth: 395 mm (15.5 in.) Height: 673 mm (26.5 in.) Weight: 23.2 kg (51.1 lb)	Power: 2 kVA Line voltage: 100 to 240 V ac Frequency: 50 to 60 Hz
Model G17	Width: 440 mm (17 in.) Depth: 395 mm (15.5 in.) Height: 673 mm (26.5 in.) Weight: 21.9 kg (48.3 lb)	Power: 2 KVA Line voltage: 100 to 240 V ac Frequency: 50 to 60 Hz
Model P10	Width: 440 mm (17 in.) Depth: 386 mm (15 in.) Height: 497 mm (19.5 in.) Weight: 20.6 kg (45.4 lb)	Power: 2 kVA Line voltage: 100 to 240 V ac Frequency: 50 to 60 Hz
Model P07	Width: 444 mm (17.5 in.) Depth: 522 mm (20.5 in.) Height: 222 mm (9.7 in.) Weight: 4.8 kg (34.8 lb)	Power: 2 kVA Line voltage: 100 to 240 V ac Frequency: 50 to 60 Hz
Operating environment	Operating temperature: 10° to 40° C (50° to 104° F) Storage temperature: 0° to 50° C (32° to 122° F) Relative humidity: 20% to 80% Maximum wet-bulb temperature: 29.6° C (85.3° F)	

Chassis features	FC
Advanced DMM/Controller Module	1700
Upgrade DMM V 3.0	8932
415-W hot-swappable power supply	8027
-48V hot-swappable power supply	8206
Controller Module	8000

Interconnect modules	FC
Interconnect I/O 10BASE2, 1-port	8903
Interconnect I/O Token Ring, 1-port	8905

ATM modules	FC
ATM Switch and Control Point Module	5100
ATM 155-Mbps Concentrator Module, I/O Card, 1-port	8510
ATM 25-Mbps Concentrator Module, 12-port	5012
ATM 100-Mbps Concentrator Module with SC Connectors, 4-port	5104
ATM 155-Mbps Flexible Concentrator Module, 3-port	5003
ATM Backplane Upgrade for 8272 LAN Switch Modules	5010
ATM Backplane Upgrade for 8271 LAN Switch Modules	5009
ATM Firmware Upgrade Kit	5099
ATM Control Point V 3 with PNNI	5511
155-Mbps Multimode Fiber I/O Card	8800
155-Mbps Single-Mode Fiber I/O Card	8801
155-Mbps UTP/STP I/O Card	8802
UTOPIA 1 ATM Carrier Module, 1-slot	5102
ATM WAN E3 I/O Card, 1-port (Switzerland)	8501
ATM WAN E3 I/O Card, 1-port (France/Spain)	8501
ATM WAN E3 I/O Card 1-port (U.K.)	8501
ATM WAN E3 I/O Card, 1-port (New Zealand)	8501
ATM WAN E3 I/O Card, 1-port (Australia)	8501
ATM WAN E3 I/O Card, 1-port (Italy)	8501
ATM WAN E3 I/O Card, 1-port (Germany)	8501
ATM WAN E3 I/O Card, 1-port (Belgium)	8501
ATM WAN E3 I/O Card, 1-port (Netherlands)	8501
ATM WAN E3 I/O Card, 1-port (Israel)	8501
ATM WAN DS3 I/O Card, 1-port	8502
ATM WAN STM-1 I/O Card, 1-port (SMF)	8505
ATM WAN OC3 I/O Card, 1-port (SMF)	8503
ATM 622-Mbps Module, 1-port (MMF)	5101
ATM 622-Mbps Module, 1-port SMF	5201
ATM WAN 2 Module	5602
ATM WAN E1/T1/J1 I/O Card, 4-port (no homologation)	5602
ATM WAN E1/T1/J1 I/O Card, 4-port (CE Mark countries)	8507
ATM WAN E1/T1/J1 I/O Card, 4-port (Switzerland)	8507
ATM WAN E1/T1/J1 I/O Card, 4-port (U.K.)	8507
ATM WAN E1/T1/J1 I/O Card, 4-port (Italy)	8507
ATM 155-Mbps I/O Card for 25-Mbps Concentrator Module	8510
Multiprotocol Switched Services Server Module (1-slot)	5400
Multiprotocol Switched Services Microcode Version 1 to Version 2 Upgrade	8709
64-MB Multiprotocol Switched Services Memory Upgrade	5301
Multiprotocol Switched Services Microcode Version 2	8707

Token-Ring modules	FC
Token-Ring Dual Fiber Repeater	3010
Token-Ring Active Media Module (PPS), 18-port	3018
Token-Ring Active Media Module (PMS), 18-port	3118
Token-Ring Passive Media Module, 20-port	3020
Token-Ring Jitter Attenuator Card	8914
High-End Token-Ring MAC (HTMAC) Card	8925
HTMAC 16-MB Memory Option	8996
Token-Ring Crossover Cable	8024

Ethernet modules	FC
Ethernet Media Access Card (EMAC)	8918
High-End Ethernet Media Access Card (HE-EMAC)	8924
Memory Expansion for HE-EMAC (8 MB)	8938
Ethernet Security Card	8915
Ethernet 10BASE-FB PPS Module (ST), 10-port	1110
Ethernet Flexible Concentrator PPS	1004
Etherflex I/O Fiber ST, 2-port	8916
Etherflex I/O AUI, 3-port	8919
Etherflex I/O 10BASE-T, 4-port	8917
Ethernet 10BASE-T PPS, 20-port	1020
Ethernet 10BASE-T TELCO Connector Switch, 36-port	1036
Ethernet 10BASE-T PPS, 40-port	1040

LAN switches	FC
8272 LAN Switch Module (Token Ring, 2-slot)	6208
8272 LAN Switch Module (Token Ring, 3-slot)	6308
8272 ATM LAN Switch Module (Token-Ring, 2-slot)	5208
8272 ATM LAN Switch Module (Token-Ring, 3-slot)	5308
8272 ATM OC3 UFC	2762
8272 Token-Ring UTP/STP UFC, 4-port	5092
8272 Token-Ring Fiber UFC, 2-port	5087
MSS Client Module (MMF)	5205
MSS Client Module (SMF)	5206
Domain Client Module	5207
8271 LAN Switch Module (Ethernet, 2-slot)	6212
8271 LAN Switch Module (Ethernet, 3-slot)	6312
8271 ATM LAN Switch Module (Ethernet, 2-slot)	5212
8271 ATM LAN Switch Module (Ethernet, 3-slot)	5312
8271 ATM OC3 UFC	6988
8271 Ethernet 10BASE-T UFC, 4-port	9195
8271 Ethernet 10BASE-FL UFC, 3-port	8603
8271 Ethernet 100BASE-TX UFC, 1-port	6995
8271 Ethernet 100BASE-FX UFC, 1-port	7000

Packet Channel modules	FC
100BASE-TX Switching Module, 18-port, 1-slot	7618
10BASE-T Switching Module, 20-port, 1-slot	7620
10BASE-T LAN Switch Module, 24-port Telco, 1-slot	7524
10BASE-FB/FL LAN Switch Module, 10-port, 1-slot	7310
10BASE-FB/FL LAN Switch Module, 20-port, 2-slot	7320
10BASE-T FDDI DAS LAN Switch Module, 12-port, 2-slot	7314
10BASE-FB/FL, FDDI DAS LAN10 2 Switch Module, 10-port, 2-slot	7412
Dual FDDI DAS LAN Switch Module, 1-slot	7304
100BASE-TX LAN Switch Module, 4-port, 1-slot	7504
100BASE-FX LAN Switch Module, 4-port, 1-slot	7404
Packet Channel ATM Switch Module, 2-slot	7302
LAN Access Switch Module, 2-slot	7016
16-MB LAN Switch Memory Upgrade	8976

Supplementary Information

The following sales tools are available for the IBM 8260:

- Specification sheets:
  IBM 8260 Multiprotocol Intelligent Switching Hub, G325-3507
  IBM 8260 Multiprotocol Intelligent Switching Hub, GA33-0315
  IBM 8260 Multiprotocol Switching Hub, G520-7080
  IBM 8260 Ethernet Modules, G221-4048
  IBM 8260 Token-Ring Modules and Cards, G221-4203
  IBM 8260 ATM Campus Solutions, G221-4293
  IBM 8260 LAN Switch Modules, G224-4488
  IBM 8260 Multiprotocol Switching Hub, G325-3508
  Switch-on-a-Chip, G325-3512
  8260 Networking for Today and Tomorrow, G325-3508
  8260 More Capacity and Greater Capability for Operating, G221-4047
  8260 The Super Hub for Today and Tomorrow, G520-7080
  Nways ATMKit Technical Overview, GA33-0370
  Nways ATMKit Flyer, GA33-0371
  Nways ATMKit Folder, GA33-0373

- LAN Switch Product Positioning White Paper (MKTTOOLS)

- Information on the IBM 8260 is available at:
  www.networking.ibm.com/netprod.html
  www.networking.ibm.com/826/826prod.html