Designed for the future—available today

IBM 8260 Nways Multiprotocol Switching Hub

Highlights

- ***An intelligent hub, LAN switching and ATM—all in one unit***
- ***Dependability***
- ***Fault tolerance that includes redundant units for any modules***
- ***Network management using distributed management modules***
- ***2 sizes of the 8260 Switching Hub 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 you need to build high-speed ATM networks while you continue to connect existing Ethernet, Token-Ring and FDDI networks.

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 today's to tomorrow's 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.



IBM 8260 Nways Multiprotocol Switching 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 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/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 inserted, 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 daughter cards deliver RMON monitoring functions, while the high-end cards deliver extended capabilities such as RMON 2 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 CPSw module fulfills the role of the monitor of the switch environment.

Designed for high capacity

The 8260 comes in two 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 managed Ethernet ports, is offered for the most complex networks and supports up to 204 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.



IBM 8260 Model A10 showing backplanes

Designed for flexibility

The 8260 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 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 two-and three-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. The 8271 or 8271 ATM LAN Switch Modules also allow LAN networks to be interconnected with an ATM backbone via the high-performance and low-cost advantages of LAN switching technology. New or upgraded 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, so you can connect to a FDDI backbone network.

The power of multiprotocol switched services

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

Designed for the future

Built into every 8260 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 non-blocking, 2.2-million-transistor integrated circuit with over 4-Gbps capacity. Up to two ATM CPSw modules can be installed in the 17-slot 8260, for fault-tolerant ATM switching.

Because the ATM/CPSw 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.

The Packet Channel/ATM Switching Module facilitates migration to ATM from Ethernet and FDDI network nodes, by evolving your network to new technologies 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.

IBM is demonstrating its commitment to standard interfaces by providing PNNI-1 protocol. The PNNI-1 protocol is suitable for all ATM network configurations since it brings interoperability with other ATM switch products due to its standardization. Additionally 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.

The 8260 also has an innovative, open program, the ATMKit Development Program, which helps other developers add their own ATM functions to the 8260.

Designed for you

You can use the 8260 as a traditional, high-end LAN concentrator for medium-to-large networks, as a central concentrator in collapsed-backbone networks or as the high-speed backbone hub 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 LAN networks with leading-edge management features and add LAN switching at your own pace to provide more bandwidth per user. Then, as needed, add 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.

Features	*Benefits*
Advanced backplane architecture	• Highly reliable, passive backplanes with no electrical or mechanical components to wear out. • Full-floating modules can be installed in any slot for flexible configuration and maximum slot utilization. • Power supplies, controllers and management monitoring cards do not use hubs slots, freeing them for function modules.
Intelligent power and inventory management	• Multiple power supplies for high capacity and N+1 redundancy and power management. • Automatically distributes hub load over available power supplies and selectively powers down modules to keep high-priority functions operating in case of a power shortage. • Will not supply power to newly inserted module if that would exceed power available. • Both ac and dc power supplies are available to meet a wide range of operating environments. • Builds dynamically an inventory of available functions and feature modules (including software version) to assist with asset management, configuration and problem determination.
Extensive fault tolerance	• 3 fans, up to 4 power supplies, 2 controllers and multiple management modules or, for maximum availability, ATM switches provide backup and redundancy for all critical components. • Modules can be inserted or removed without disrupting hub operation. • Ethernet ports can be backed up to another port, module or hub. • Self-correcting, main-ring connections with Token Ring. • Distributed beacon recovery.
Investment protection built in	• Designed for expansion—both port growth and migration to higher speed technologies like ATM. • ATM can be added to existing hubs in the field without disrupting existing wiring. • Allows use of 8250 modules for migration and additional functions like remote LAN access or SNA 3174 module.
Ehternet, Token-Ring and FDDI versatility	• Up to 8 Ethernet, 17 Token-Ring or 4 FDDI networks in a single hub. • Up to 612 managed Ethernet ports in the 17-slot hub, with up to 128 independent workgroup segments using port-switching. • Up to 340 managed Token-Ring ports in the 17-slot hub, with up to 176 independent segments using port-switching. • Port-bank and module-switching for dynamic network reconfiguration to adjust to changing loads or to move users between networks without rewiring or expensive trips to the wiring closet. • Full RMON and RMON 2 monitoring.
High-capacity LAN switching	• Up to 204 switched 10-Mbps Ethernet ports or 68 Fast Ethernet ports with full switching. • High-aggregate LAN switching through a Packet Channel running at over 2 Gbps. • Embedded RMON2 monitoring. • LAN-to-ATM switching.
ATM for workgroups	• True ATM switching within the hub, using IBM's innovative, blocking, scalable Switch-on-a-Chip and campus backbones. • Separate switch and concentrator modules provide the ability to simultaneously support multiple speeds and balance between workgroup and backbone configuration. • Up to one hundred sixty-eight 25-Mbps ports, fifty-six 100-Mbps ports or forty-two 155-Mbps ports for a wide range of configuration options including 622-Mbps links. • Ability to support both conventional LANs and ATM in the same device is less expensive and less complex than multiple-device alternatives. • ATM LAN Ethernet and Token-Ring switches with full-duplex operation and adaptive cut-through switching. • Video distribution over ATM. • Integrated Multiprotocol Switched Server Module with advanced LANE functions. • Innovative, open ATMKit Development Program helps third-party developers add their own ATM functions to the 8260.
Extensive management	• Distributed management system uses plug-in daughter cards to monitor network operations instead of separate management modules. This lowers the cost of ownership by saving valuable hub slots. • Daughter cards are independent monitoring agents, with their own processor and memory, so management capacity grows as needed, when needed. • Daughter cards are switchable from network to network to allow monitoring of multiple LAN segments from a single access point. • Supports hub management and LAN configuration from a PC, a terminal or an SNMP manager. • Full RMON and RMON2 management.

IBM 8260 Nways Multiprotocol Switching Hub at a glance

Model options

- Two sizes of the 8260: 10-slot and 17-slot
- Options for ATM backplane, Packet Channel backplane or both

Modules and cards

For interconnecting, controlling and managing LANs:

- Distributed Management Module (DMM)
- Carrier Module with Distributed Management functions (ECC-DMM), holds 6 daughter cards
- Ethernet Media Access Card (EMAC) and High-End EMAC (HE-EMAC); daughter cards for Ethernet statistics, plugs into ECC-DMM or 8260 Ethernet media modules
- Token-Ring Media Access Card (TMAC) and High-End Token-Ring Media Access Card (HTMAC) for Token-Ring statistics and RMON2 functions; plugs into 8260 Token-Ring Media Module
- Ethernet Concentrator and Interconnect Modules
- Token-Ring Concentrator Modules
- ATM Switch/Control Point Module
- ATM Media Modules (25, 100, 155 and 622 Mbps)
- ATM LAN Bridge Module
- ATM Carrier Module
- ATMWAN Module
- ATM Video Distribution Module
- MSS Server Module
- 8271 LAN Switch Modules and UFCs
- 8272 LAN Switch Modules and UFCs
- 8271 ATM LAN Switch Modules and UFCs
- 8272 ATM LAN Switch Modules and UFCs
- 10BASE-T LAN Switch Module Series
- 10BASE-FL LAN Switch Module Series
- 10BASE-FB LAN Switch Module Series
- 100BASE-TX LAN Switch Module Series
- 100BASE-FX LAN Switch Module Series
- FDDI LAN Switch Modules
- LAN Access Switch Module
- Packet Channel ATM Switch Module
- 8250 concentrator, remote LAN access, SNA controller (3174) and interconnect modules.

Standards supported

- EEE 802.3 Ethernet; IEEE 802.5 Token-Ring; ISO 8802/1 Bridging; ISO 8802/3 Ethernet; ISO 8802/5 Token-Ring; RMON and 802.3 Repeater MIB.
- ANSI X3.166: 1990 FDDI Physical Layer, Medium Dependent; ANSI X3.148: 1988 FDDI Token-Ring Physical Layer Protocol; ANSI X3.139: 1988 FDDI Token-Ring Media Access Control; ATM Forum UNI 3.0 and UNI 3.1, ATM LAN Emulation.

Protocols supported

8260 and 8250 management modules support SNMP and PNNI-1; 8250 Ethernet Terminal Server Module supports DEC Local Area Transport servers (licensed from DEC, TCP/IP and TN 3270; 8250 Token-Ring Workstation Networking Module with 3174 Features supports TCP/IP, SNA, APPN, X.25 and SDLC.

Dimensions	**8260-017**	**8260-A17**	**8260-010**	**8260-A10**	**8260-P17**	**8260-G17**	**8260-P10**
Width	440 mm (17.3 in.)	440 mm (17.3 in.)	444 mm (17.3 in.)	444 mm (17.3 in.)	440 mm (17.3 in.)	440 mm (17.3 in.)	440 mm (17.3 in.)
Depth	395 mm (15.4 in.)	395 mm (15.4 in.)	386 mm (15 in.)	386 mm (15 in.)	395 mm (15.4 in.)	395 mm (15.4 in.)	386 mm (15 in.)
Height	673 mm (26.4 in.)	673 mm (26.4 in.)	497 mm (19.3 in.)	497 mm (19.3 in.)	673 mm (26.4 in.)	673 mm (26.4 in.)	497 mm (19.3 in.)
Weight[1]	21.9 kg (48.3 lb)	23.2 kg (51.1 lb)	19.8 kg (44 lb)	20.6 kg (45.4 lb)	23.2 kg (51.1 lb)	23.2 kg (51.1 lb)	20.6 kg (45.4 lb)

Operating environment

Temperature: 0° to 40°C (32° to 104°F)
Relative humidity: 8% to 85% (noncondensing)
Wet-bulb calorific value: BTU/hr: 3583 Kcal/hr:903
Electrical power: 2 KVA
Noise Level: <66 dB
Leakage: 2.1 mA (90–264 V)
Surge current: 30 A

IBM 8260 Switching Hub Ship Group

Cable tray, rack-mount kit, feet kit, DTE patch cable, cable interposer, connector gender converter, DB-25/DB-9 connector converter, safety handbook, installation and operations guide and binder

[1] Empty

8260 Models, Options and Modules

Models and model options

58G5801	-	Model 017
58G5885	-	Model A10
58G5880	-	Model 010
58G5880	-	Model A10
58G9714	-	Model P07
29H4380	-	Model P17
29H4382	-	Model G17
29H4384	-	Model P10
58G5852	8001	Power Supply 295 W
80G3344	8027	Power Supply 415 W
80G3297	8026	Power Supply -48 V dc
58G5800	8000	Controller Module
58G5862	8011	8250 Adapter Kit, 4-slot
58G5863	8016	8250 Adapter Kit, 9-slot
58G5864	8017	8250 Adapter Kit, 16-slot
59G0289	-	Model Conversion from 017 to A17
80G3400	-	Model Conversion from 010 to A10
29H4422	-	Model Conversion from 017 to P17
29H4424	-	Model Conversion from 017 to G17
29H4424	-	Model Conversion from A17 to G17
29H4425	-	Model Conversion from 010 to P10
80G3150	3150	Universal Download Kit

Management modules

29H4300	1200	Distributed Management Module (DMM)
80G3375	1700	Advanced DMM/Controller Module
29H4295	1300	Ethernet Carrier Card with DMM Functions (ECC-DMM)
58G5812	1000	DMM (stand-alone)
58G5813	1100	DMM with Ethernet Carrier (ECC-DMM)
29H4290	8932	Upgrade to DMM V 3.0 or ECC-DMM V 3.0

Interconnect modules

58G5811	7106	Ethernet Interconnect Module, 1-slot
58G5810	7206	Ethernet Interconnect Module, 2-slot
58G5832	8902	Interconnect I/O 10BASE-T, 1-port
58G5833	8903	Interconnect I/O 10BASE2, 1-port
58G5834	8904	Interconnect I/O 10BASE5, 1-port
58G5835	8905	Interconnect I/O Token Ring, 1-port

ATM modules

51H3880	5100	ATM Switch/Control Point Module
10J2184	8510	ATM 155-Mbps Concentrator Module, I/O Card, 1-port
51H3828	5012	ATM 25-Mbps Concentrator Module, 12-port
58G5845	5004	ATM 100-Mbps Concentrator Module with MIC Connectors, 4-port
80G3310	5104	ATM 100-Mbps Concentrator Module with SC Connectors, 4-port
58G9858	5204	8281 ATM LAN Bridge
58G9663	5002	ATM 155-Mbps Flexible Concentrator Module, 2-port
51H4474	5003	ATM 155-Mbps Flexible Concentrator Module, 3-port
37H7725	5008	Video Distribution Module
51H5020	5010	ATM Backplane Upgrade for 8272 LAN Switch Modules
51H4935	5009	ATM Backplane Upgrade for 8271 LAN Switch Modules
51H5232	5099	ATM Firmware Upgrade Kit
58G9667	8800	155-Mbps Multimode Fiber I/O Card
58G9855	8801	155-Mbps Single-mode Fiber I/O Card
58G9856	8802	155-Mbps UTP/STP I/O Card
58G9860	5102	UTOPIA 1 ATM Carrier Module, 1-slot
47H2402	5202	UTOPIA 1 ATM Carrier Module, 2-slot
51H4328	5302	ATM WAN Module
51H4604	8501	ATM WAN E3 I/O Card, 1-port (Switzerland)

8260 Models, Options and Modules, continued

51H4605	8501	ATM WAN E3 I/O Card, 1-port (Sweden)
51H4606	8501	ATM WAN E3 I/O Card 1-port (U.K.)
51H4607	8501	ATM WAN E3 I/O Card, 1-port (New Zealand)
10J2118	8501	ATM WAN E3 I/O Card, 1-port (Australia)
10J2119	8501	ATM WAN E3 I/O Card, 1-port (Italy)
10J2120	8501	ATM WAN E3 I/O Card, 1-port (Germany)
10J2121	8501	ATM WAN E3 I/O Card, 1-port (Belgium)
10J2122	8501	ATM WAN E3 I/O Card, 1-port (Netherlands)
10J2194	8501	ATM WAN E3 I/O Card, 1-port (Israel)
51H4335	8501	ATM WAN E3 I/O Card, 1-port
51H4338	8502	ATM WAN DS3 I/O Card, 1-port
51H4557	8505	ATM WAN STM1 I/O Card, 1-port (SMF)
51H4558	8503	ATM WAN OC3 I/O Card, 1-port (SMF)
10J2263	5101	ATM 622-Mbps Module, 1-port (MMF)
10J2264	5201	ATM 622-Mbps Module, 1-port SMF
10J2091	5602	ATM WAN 2 Module
10J2091	5602	ATM WAN E1/T1/J1 I/O Card, 4-port (no homologation)
10J2317	8507	ATM WAN E1/T1/J1 I/O Card, 4-port (CE Mark countries)
10J2146	8507	ATM WAN E1/T1/J1 I/O Card, 4-port (Switzerland)
10J2159	8507	ATM WAN E1/T1/J1 I/O Card, 4-port (U.K.)
10J2186	8507	ATM WAN E1/T1/J1 I/O Card, 4-port (Italy)
10J2184	8510	ATM 155-Mbps I/O Card for 25-Mbps Concentrator Module
42H1350	5300	8210 Multiprotocol Switched Services Server Module
Token-Ring modules		
58G5806	3010	Token-Ring Dual Fiber Repeater
58G5804	3018	Token-Ring Active Media Module (PPS), 18-port
58G5803	3118	Token-Ring Active Media Module (PMS), 18-port
58G5802	3020	Token-Ring Passive Media Module, 20-port
58G5829	8913	Token-Ring Media Access Card (TMAC)
58G5843	8914	Token-Ring Jitter Attenuator Card
10J2246	8925	High-End Token-Ring MAC (HTMAC) Card
10J2247	8988	HTMAC 8-MB Memory Option
10J2248	8996	HTMAC 16- MB Memory Option
59G0401	8024	Token-Ring Crossover Cable
Ethernet modules		
58G5830	8918	Ethernet Media Access Card (EMAC)
80G3385	8924	High-End Ethernet Media Access Card (HE-EMAC)
29H4334	8934	Memory Expansion for HE-EMAC (4 MB)
29H4338	8938	Memory Expansion for HE-EMAC (8 MB)
58G5844	8915	Ethernet Security Card
58G5815	1024	Ethernet 10BASE-T PPS TELCO Module, 24-port
58G5822	1110	Ethernet 10BASE-FB PPS Module (ST), 10-port
58G5823	1210	Ethernet 10BASE-FB PPS Module (FC), 10-port
58G5824	1310	Ethernet 10BASE-FB PPS Module (SMA), 10-port
58G5875	1004	Ethernet Flexible Concentrator PPS
58G5876	8916	Etherflex I/O Fiber ST, 2-port
58G5873	8922	Etherflex I/O Fiber FC, 2-port
58G5874	8923	Etherflex I/O Fiber SMA, 2-port
58G5877	8919	Etherflex I/O AUIF, 3-port
58G5878	8920	Etherflex I/O AUIM, 3-port
58G5879	8921	Etherflex I/O BNC, 3-port
58G5886	8917	Etherflex I/O 10BASE-T, 4-port
58G5818	1020	Ethernet 10BASE-T PPS, 20-port
58G5884	1036	Ethernet 10BASE-TTELCO Connector Switch, 36-port
58G5848	1040	Ethernet 10BASE-T PPS, 40-port

8260 Models, Options and Modules, continued

LAN switches

51H4589	5208	8272 LAN Switch Module (Token Ring, 2-slot)
51H4591	6308	8272 LAN Switch Module (Token Ring, 3-slot)
51H4933	5208	8272 ATM LAN Switch Module (Token-Ring, 2-slot)
51H4934	5308	8272 ATM LAN Switch Module (Token-Ring, 3-slot)
85H5076	5076	8272 ATM OC3 UFC
85H5092	5092	8272 Token-Ring UTP/STP UFC, 4-port
85H5087	5087	8272 Token-Ring Fiber UFC, 2-port
51H4593	6212	8271 LAN Switch Module (Ethernet, 2-slot)
51H4595	6312	8271 LAN Switch Module (Ethernet, 3-slot)
51H4931	5212	8271 ATM LAN Switch Module (Ethernet, 2-slot)
51H4932	5312	8271 ATM LAN Switch Module (Ethernet, 3-slot)
41H6988	6988	8271 ATM OC3 UFC
13H9195	9195	8271 Ethernet 10BASE-T UFC, 4-port
41H7020	8603	8271 Ethernet 10BASE-FL UFC, 3-port
41H6995	6995	8271 Ethernet 100BASE-TX UFC, 1-port
41H7000	7000	8271 Ethernet 100BASE-FX UFC, 1-port

Packet Channel modules

29H4350	7312	10BASE-T LAN Switch Module, 12-port, 1-slot
29H4352	7324	10BASE-T LAN Switch Module, 24-port, 2-slot
29H4354	7310	10BASE-FB/FL LAN Switch Module, 10-port, 1-slot
29H4356	7320	10BASE-FB/FL LAN Switch Module, 20-port, 2-slot
29H4358	7314	10BASE-T FDDI DAS LAN Switch Module, 12-port, 2-slot
29H4360	7412	10BASE-FB/FL, FDDI DAS LAN 10 2 Switch Module, 10-port, 2-slot
29H4362	7304	Dual FDDI DAS LAN Switch Module, 1-slot
29H4366	7504	100BASE-TX LAN Switch Module, 4-port, 1-slot
29H4364	7404	100BASE-FX LAN Switch Module, 4-port, 1-slot
29H4368	7302	Packet Channel ATM Switch Module, 2-slot
29H9840	7016	LAN Access Switch Module, 2-slot
29H4372	8968	8-MB LAN Switch Memory Upgrade
29H4374	8976	16-MB LAN Switch Memory Upgrade

For more information

To find out more about the IBM 8260 Nways Multiprotocol Switching Hub product and other high-performance IBM communications and networking products, contact your IBM representative or call IBM Direct at 1 800 IBM-CALL (1 800 426-2255). You can also access the IBM Networking Home Page at http://www.networking.ibm.com. Copies of this and other related product specification sheets can be obtained from the IBM FAX Information Service by dialing 1 800 IBM-4-FAX (1 800 426-4329) in the U.S. or Canada or by dialing (415) 855-4329 outside the U.S. and Canada and requesting any of the following document numbers:

1588: *8260 Token-Ring Modules*

2120: *8260 Nways ATM Campus Solutions*

2662: *8260 Ethernet Modules*

7263: *8250 Ethernet Modules*

7262: *8250 Token-Ring Modules*

7264: *8250 FDDI Modules*

7261: *8250 Token-Ring Workstation Networking Module with 3174 Features*

5627: *8260 LAN Switch Modules*

6193: *8300 Video Access Node and Video Distribution Module*

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