



IBM 8245 10/100 Stackable Ethernet Hub

Stackability

Supports up to 6 hubs in stack (144 ports)

Flexibility

18 pairs of redundant ports

Manageability

Web-based management

Automatic partition and reconnection

AUI port

MDI and MDI-X ports

Illuminated control panel with easy-to-access menu buttons

Jabber lockup protection

Automatic polarity-reversal

Fiber uplink capability

General description

The IBM 8245 10/100 Stackable Ethernet Hub lets you build robust shared-media Ethernet segments that are flexible enough to meet the needs of most environments, yet easy to manage. Each dual-speed port is auto-sensing, so it knows whether the adapter at the other end of the connection is operating at 10-Mbps or 100-Mbps and matches the data rate automatically.

The 8245 is available in four models. The Models 012 and 024 manageable hubs can be used either in conjunction with managed hubs or by themselves in a stack of up to six hubs serving 144 attaching devices for a network with minimal network management requirements. The Models 112 and 124 are both managed hubs that provide management to a stack of hubs. They provide 12 and 24 ports respectively. The managed hubs provide all the in-band, out-of-band and Web management for a stack. The Models 112 and 124 support SNMP, four groups of RMON and a Web server accessible with any Java-based browser as well as BootP and SLIP for TFTP downloads.

The 8245 family of stackable hubs allows you to maximize the value of your investment in existing equipment and infrastructure while providing better service to the users of your LANs.

Reasons to choose the IBM 8245 10/100 Stackable Ethernet Hub

- Designed and tested to qualify as a high-reliability product.
- Supports redundant managed hubs and bridges in the same stack for high reliability.
- Economical solution for connecting 10/100 Ethernet shared media and workstations.
- Provides additional bandwidth while protecting investment in existing infrastructure.
- Provides stackable 10/100 Hub solutions.
- Simple, high-performance and cost-effective solution to the bandwidth bottleneck of small- and medium-sized LANs.
- Features broadcast storm detection and prevention, factory configuration reset and intrusion security protection.
- Provides auto-sensing, dual-speed and 10/100 Mbps on all ports.
- Provides remote management and configuration to keep initial installation simple.
- Provides port-by-port link/activity and partition indications as well as packet size and network utilization monitoring.
- Offers full range of transmission media choices to help speed installation and control the costs of moves, adds and changes.
- Supports cascading to build larger networks via the MDI and MDI-X (uplink ports).





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Feature	Benefit
MDI and MDI-X ports	Allows cascading of 8245s with straight-through cables
One optional slot	<ul style="list-style-type: none"> • 3-port 10BASE-T/100BASE-TX bridge module • 3-port 100BASE-FX bridge module • AUI transceiver module
12- and 24-port models	10BASE-T/100BASE-TX Ethernet Connectivity to desktop
Cascading	Allows connectivity between two hubs with straight-through cables
Automatic polarity-reversal correction	Prevents failure brought about by the copper cable polarity reversals
Automatic partitioning and reconnection	<ul style="list-style-type: none"> • Hub continues to transmit data to port but will not respond to activity on the port's receiver • Reconnected when a good frame is received • Reduces congestion on the network
Jabber protection	Reduces traffic congestion from a malfunctioning device
Illuminated control panel	Provide box-level and port-level information for operational monitoring and troubleshooting.
Managed and unmanaged models	Reduced cost of additional port densities
RMON 4 groups	Groups 1, 2, 3 and 9
Stackable	Provides management connectivity and port density

Ordering Information

8245 10/100 Stackable Ethernet Hub	Model	Part Number
12-Port Manageable Hub	012	08L2967
12-Port Managed Hub	112	08L2964
24-Port Manageable Hub	024	08L2970
24-Port Managed Hub	124	08L2965
Uplinks	Feature Code	Part Number
10/100 Bridge with 100BASE-FX	2972	08L2972
10/100 Bridge with 100BASE-TX AUI Module (future)	2975	08L2975
Power cord	Feature Code	Part Number
100 V - 120 V (1.8 m [6 ft])	9835	6952301

For more information

Visit the IBM Networking Home Page at www.networking.ibm.com.