

Professional Series

GIGABIT ETHERNET SWITCHES

8+8 Gigabit Ethernet Switches

Without Accesses Sent

The WideBand Professional Series 8+8 Gigabit Ethernet switches are scalable 1000BASE-T / 1000BASE-X managed or unmanaged switches with 8 copper ports and 8 mini-GBIC slots for fiber connectivity. The fiber ports can be added as needed. Whether the application is aggregating fiber lines to a Layer 3 network core or linking Gigabit copper workgroups to a fiber backbone, the 8+8 switches are a cost effective way to achieve maximum performance.

Gigabit Ethernet Without Rewiring: The Professional Series switches utilize WideBand's robust signaling technology allowing Gigabit connections over Category 5 runs in excess of 200 meters, and even over 100-meter segments of Category 3 cable. The switches have been WGNA Certified to transmit data up to a full 100 meters with a bit error rate of less than 1 per million on all grades of Category 5 cables, ensuring not just connectivity, but full bandwidth on existing network wiring.

Breakthrough SPU Technology: WideBand's Switch Processing Unit (SPU) is integrated to provide a never before seen level of management control while eliminating costly components needed in competing designs. The Managed switch models provide extensive support for VLANs, traffic prioritization, and packet filtering based on Layer 2, 3, and 4 information.

Wire-speed Layer 2/3/4 Switching and IP Routing: The WideBand Professional Series switches deliver wire-speed switching and MAC address learning in a fully non-blocking architecture. The Layer 3 models add enterprise-class IP routing at wire-speed as well as QoS provisioning features based on Layer 2/3/4 and IEEE 802.1p tag information.

Auto MDI/MDI-X Makes Connecting Easy: All the ports automatically detect straight-through/crossover cable types, eliminating communication problems resulting from cable type mismatches. This feature also eases cascading with other hubs and/or switches.

Designed and Manufactured in the USA: WideBand Professional Series switches are designed and manufactured in the United States by WideBand Corporation. This allows a uniquely high level of quality control that shows in the dependability of the products.

Specifications

Standards Compliance WideBand Gigabit Networking Alliance (WGNA), IEEE 802.3x, IEEE 802.1d,

IEEE 802.1q, IEEE 802.3z, IEEE 802.3u, IEEE 802.3, IEEE 802.1p, IEEE 802.3ad

Ports 8 – 10/100/1000 Auto-sensing, Auto Negotiating UTP Ports, Auto MDI/MDI-X

8 - Small Form Pluggable (SFP) mini-GBIC slots

Memory Shared Memory Architecture to Eliminate Head-of-line Blocking

Supported MAC Addresses Layer 2 - 8,000; Layer 3/4 - 32,000 **Jumbo Frame Support** Up to 32704 bytes (v.05 models)

Quality of Service Traffic prioritization based on Layer 2, 3, and 4 information and 802.1p tag

Flow Control Symmetric and Asymmetric Pause Flow Control Supported

Full Duplex: IEEE 802.3x, 10/100/1000 Mbps; Half Duplex: Back Pressure, 10/100 Mbps

Switching Mode Store-and-Forward, Wire-Speed Layer 2 Switching,

Hardware-based wire-speed IP unicast and multicast Layer 3/4 routing (Layer 3 models)

Supported Cables

10 Mbps: Category 3 or Greater, 100 Mbps and 1000 Mbps: Category 5 or Greater

WGNA Certified

Tested to transmit data up to a full 100 meters with a bit error rate of less than 1 per million

Tested to transmit data up to a full 100 meters with a bit error rate of less than 1 per million on all grades of Category 5 cables

Warranty 1-year; 3-year Support Package available

Managed Switch Features

Supported VLANs 4,093, IEEE 802.1q

VLAN Tagging Capabilities IP address & subnet (Layer 3 models), MAC address, protocol, received port, incoming VLAN

ID, 802.1q priority, Ethernet type packet, LLC DSAP, LLC SSAP, Ethernet II, NetWare, SNAP,

IEEE 802.3 or 802.2, IPv4 and IPX

Management

WideBand Network Management System included, SNMP, SMON, RMON.

With Management Module Hardware Capabilities

Web management for up to 256 devices from one IP address, HP Openview, CiscoWorks Flexible wire-speed packet classification and bandwidth management on Layer 2, 3 and 4;

Packet filtering supported including IPv6, MPLS, IGMP snooping

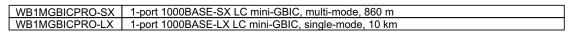
SNMP, SMON and RMON statistics counters supported

Link Aggregation for high-bandwidth interswitch links, supporting the IEEE 802.3ad standard

Spanning Tree, Broadcast Storm Control and Port Mirroring

Ordering Information

Part Number	Description
WB8G8FPRO	8-port 10/100/1000Mbps Gigabit Ethernet Switch plus 8 mini-GBIC Slots
WB8G8FMPRO	8-port 10/100/1000Mbps Managed Gigabit Ethernet Layer 2 Switch plus 8 mini-GBIC Slots
WB8G8FM3PRO	8-port 10/100/1000Mbps Managed Gigabit Ethernet Layer 3 Switch plus 8 mini-GBIC Slots
(Switch Part #)-S3	3-year Support Package





Specifications in this document are subject to change without notice.