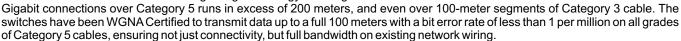# FAST ETHERNET/GIGABIT ETHERNET SWITCHES
24+2+2 Managed Switch with Gigabit Connections

The WideBand Professional Series 24+2+2 switches provide flexible enterprise-class connectivity with 24 Ethernet 10/100 ports, 2 Ethernet 10/100/1000 ports and 2 additional mini-GBIC slots for fiber SFPs. With Managed and Layer 3 models available, the 24+2+2 switches make adding Gigabit backbones a painless experience.

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	24 -- 10/100 Auto-sensing, Auto Negotiating UTP Ports, Auto MDI/MDI-X
	2 -- 10/100/1000 Auto-sensing, Auto Negotiating UTP Ports, Auto MDI/MDI-X
	2 -- 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
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 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	Web management for up to 256 devices from one IP address, HP Openview, CiscoWorks
Hardware Capabilities:	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
WB24T2G2FPRO	24+2+2 10/100Mbps Ethernet Switch with 2 10/100/1000BASE-T and 2 mini-GBIC slots
WB24T2G2FMPRO	24+2+2 10/100Mbps Managed Layer 2 Ethernet Switch with 2 10/100/1000 and 2 mini-GBIC slots
WB24T2G2FM3PRO	24+2+2 10/100Mbps Managed Layer 3 Ethernet Switch with 2 10/100/1000 and 2 mini-GBIC slots
(*Switch Part #*)-S3	3-year Support Package

Made in U.S.A.
Specifications in this document are subject to change without notice.