WizLAN Ltd.

8 Port 10/100 BaseT/TX Ethernet Switch

WIZ-800

Media Wizard Modules

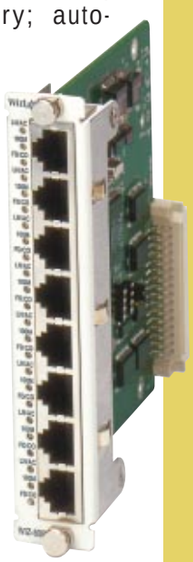
- Eight-port 10/100BaseT/TX Ethernet switch
- Auto-negotiation
- MDI-II/MDI-X auto crossover
- Full wire speed and half/full duplex support on all ports
- Flow control and broadcast storm control protection
- VLAN and QOS support (optional)
- Enhanced, per port LED indicators
- Manageable

MEDIA WIZARD

The WIZ-800 module is an eight-port Ethernet switch module designed for the Media Wizard modular chassis. It provides the Media-Wizard with dual speed switching capabilities usually required for small workgroups and LPP (LAN-Per-Port) distribution.

The WIZ-800 module includes eight 10/100Mbps auto-negotiation RJ-45 ports supporting UTP/STP cabling. The module supports MDI-II/MDI-X auto crossover on all ports, providing plug and play operation and eliminating common cable problems.

The WIZ-800 delivers powerful features usually found in high-end switches: full wire speed forwarding and filtering rates on all ports; 1k MAC addresses using automatic learning and aging; half/full duplex operation with flow control to allow 20/200Mbps bandwidth and minimize packet loss; 128KByte frame buffer memory; auto-negotiation; broadcast storm control and optional VLAN and priority (QOS)



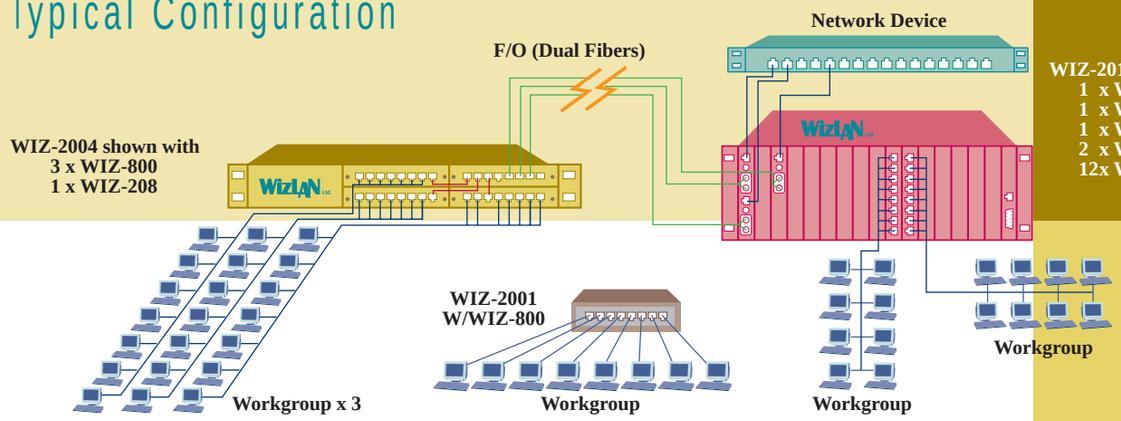
The WIZ-800 uses store & forward architecture enabling direct 10/100 speed transfers as well as error checking and filtering that optimize network performance. The WIZ-800 supports long frames (VLAN) up to 1536 bytes.

A complete set of LED indicators provides easy monitoring of the status and the activity on each individual port.

To maximize efficiency and minimize installation costs, the WIZ-800 can be installed in the Media Wizard 16, 4, 2 or single slot modular chassis, saving rack space and main outlets as well as providing flexibility and easy service and maintenance. The chassis support optional redundant power supply and central SNMP management. All chassis are available with wide range AC or DC power supplies.

WizLAN Ltd. Simply Unbeatable

Typical Configuration



Technical Specifications

WIZ-800 - Eight Ports 10/100Mbps Ethernet Switch

10/100BaseTX Ports

10/100BaseT/TX RJ-45 connectors
MDI-II / MDI-X Auto crossover
10/100 A/N (speed and duplex)
100 meter (330 ft) distance over UTP/STP

Status Indicators (per RJ-45 port)

Link/Act	On - Link established (10 or 100)
	Blinks - activity detected on the port
100M	On - operating at 100Mbps
	Off - operating at 10Mbps
FDX/Col	On - port operates in FDX mode
	Off - port operates in HDX mode
	Blinks - collisions detected

Operational Characteristics

MAC Address	1K addresses
	Auto learning and aging
Frame buffering	128KByte
Forwarding and filtering rate	148,800 pps for 100Mbps
	14,880 pps for 10Mbps
Max. frame size	1536 byte
Architecture	Store & forward

Electrical Characteristics
(Installed in WIZ-2016/2004/2002/2001 Chassis)

Chassis main Input Voltage	90 - 240 VAC, 9 - 72 VDC
Frequency	47 - 440 Hz
DC Power Consumption (PU) (Power Units per module)	WIZ-800 - 1.0 PU

Physical Dimensions (Module)

Height	Width	Depth
130mm (5.1")	25.4mm (1")	140mm (5.5")

Safety & Emission

CE, FCC Part 15, EN60950

Environment

	°C	°F
Operating Temperature	0 to 45	32 to 113
Storage Temperature	-30 to 65	-22 to 149
Humidity	10% to 90% non-condensing	

Standard Compliance

IEEE 802.3 - 10/100M Ethernet
IEEE 802.3u - Auto-negotiation
IEEE 802.3x - Flow Control

Ordering Information

WIZ-800	Eight ports switch, 10/100 BaseT/TX auto-negotiation. inc. status management. (1.2 PU)
WIZ-800/VLAN	Special firmware configuration for the WIZ-800 switch, factory installed firmware per customer request VLAN and QOS

All specifications are subject to change without notice. Neither manufacturer nor seller shall be liable for any loss, damage, or injury, direct or consequential, arising from the inability to use the product.

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