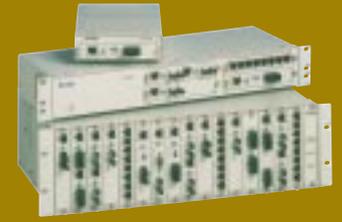




5 Port Ethernet Switch 10/100BaseTX and 100BaseFX



WIZ-505/545

Media Wizard Modules

- Optimized for surrounding and daisy chain F/O networks and star topologies
- 100BaseFX fiber ports supporting:
 - Multimode or Single mode fibers up-to 100Km
 - SC, ST, MT-RJ, VF-45 or LC connectors
 - Single fiber versions
- Auto-negotiation 10/100BaseTX RJ-45 ports with MDI-X auto crossover
- Full wire speed and half/full duplex support on all ports
- Far-end-fault detection, flow control, broadcast control
- VLAN support (optional)
- Per port status LED indicators
- Manageable

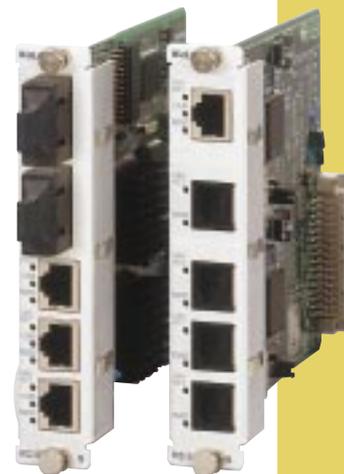
The WIZ-505/545 F/O switching modules are optimized to address surrounding network applications (ring and daisy-chain topologies) mainly used in monitoring/surveillance systems, and for F/O switching centers using star topology. Installed in the Media Wizard 16, 4 or single slot chassis, the modules provide a flexible solution for any network scale and needs.

The WIZ-505 includes two 100BaseFX and three 10/100BaseT/TX ports while the WIZ-545 includes four 100BaseFX and one 10/100BaseT/TX ports. The 100BaseFX fiber ports are available with a choice of SC, ST, MT-RJ, VF-45 or LC F/O connectors for multimode or singlemode fibers supporting up-to 100Km.

The WIZ-505 is also available in single fiber (/SF) versions, releasing/saving expensive fiber, doubling the utilization. The switching modules deliver powerful features usually found in high-end switches: full wire speed forwarding and filtering on all ports; 1k MAC addresses using automatic learning and aging mechanism; half/full duplex operation with flow control to allow 20/200Mbps bandwidth and minimize packet loss; broadcast storm control; optional port VLAN; 1Mb buffer memory; far-end-fault detection; auto-negotiation and MDI-X auto crossover.

The WIZ-505/545 uses store & forward architecture enabling direct 10M to 100M transfers as well as complete error checking and filtering that optimizes network operation. The switches support long frames of up to 1532 bytes.

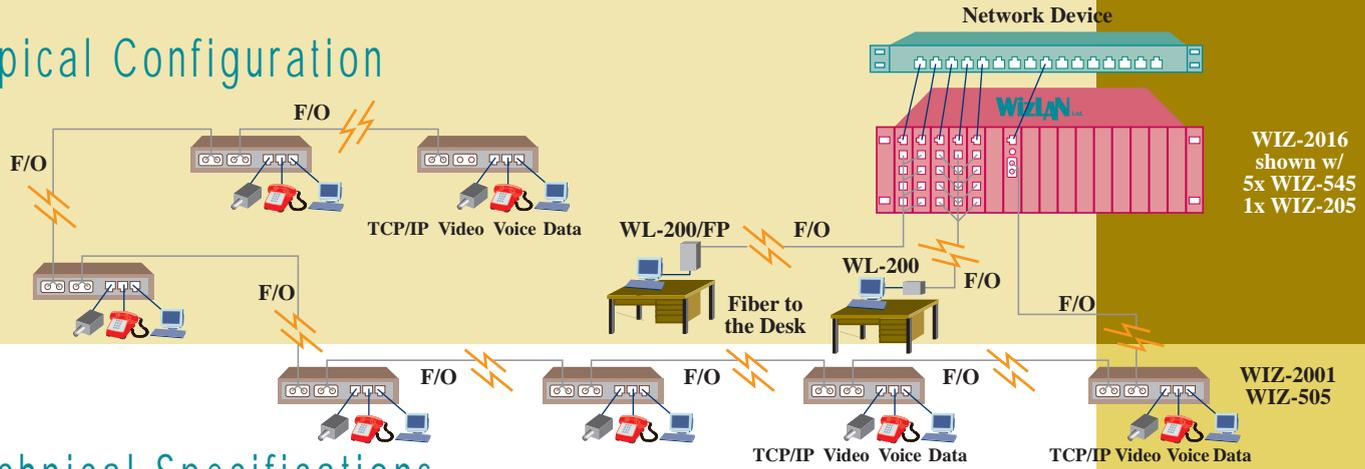
A complete set of LED indicators provides easy monitoring of the status and the activity on each individual port.



MEDIA WIZARD

WizLAN Ltd. Simply Unbeatable

Typical Configuration



Technical Specifications

WIZ-505/545 - Five ports 10/100Mbps Ethernet Switch

100BaseTX Port(s)

10/100BaseTX RJ-45
10/100 auto-negotiation (speed and HDX/FDX)
TX polarity detection
100 meter (330 ft) distance over UTP/STP cable

Special Features

Far-End-Fault detection, on FX port(s)
Flow control and broadcast control
VLAN option

Standards Compliance

IEEE 802.3 - 10Base Ethernet
IEEE 802.3u - 100Base Fast Ethernet
IEEE 802.3 - Auto-negotiation
IEEE 802.3x - Flow control
IEEE 802.3p - Priority

LED Indicators (per port)

10/100BaseTX PORT(s)	LNK/ACT - Link/Activity
	FD/CO - Full Duplex/Collision
	100M - 100Mbps speed
100BaseFX PORT(s)	LNK/ACT - Link/Activity
	FD/CO - Full Duplex/Collision

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	

Ordering Information

WIZ-505M/[x]	5 port switch, 2 ports 100BaseFX (MM, 1300nm, 0-6Km,[x]), 3x 10/100BaseTX RJ-45 ports, status mgmt
WIZ-505[Sn]/[x]	5 port switch, 2 ports 100BaseFX (SM, [Sn],[x]), 3x 10/100BaseTX RJ-45 ports, status mgmt
WIZ-505/SF/[Sn]/[x] †	5 port switch, 2 Single fiber ports 100BaseFX (SM, [Sn],[x]), 3x 10/100BaseTX RJ-45 ports, status mgmt
WIZ-545M/[x]*	5 port switch, 4 ports 100BaseFX (MM, 1300nm, 0-6Km,[x]), 1x 10/100BaseTX RJ-45 ports, status mgmt
WIZ-545[Sn]/[x]*	5 port switch, 4 ports 100BaseFX (SM, [Sn],[x]), 1x 10/100BaseTX RJ-45 ports, status mgmt
	* = only available with VF-45, MTRJ or LC connectors

M	Multimode 1300nm 0-6Km	[x]= Type of F/O connector: ST, SC, VF-45, MTRJ or LC
[Sn]=S	Singlemode 1300nm 0-20Km	[x]= Type of F/O connector: SC, MTRJ, LC
[Sn]=S1	Singlemode 1300nm 10-40Km	[x]= Type of F/O connector: SC
[Sn]=S2	Singlemode 1300nm 30-60Km	[x]= Type of F/O connector: SC
[Sn]=S3	Singlemode 1550nm 50-100Km	[x]= Type of F/O connector: SC
† Single fiber:		
SF/[Sn]=S1	Single Fiber SM 1300nm 0-35Km	[x]= Type of F/O connector: SC or FC - APC polish
SF/[Sn]=S2	Single Fiber SM 1550nm 20-80Km	[x]= Type of F/O connector: SC or FC - APC polish

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.

100BaseFX port(s)

• Interface		
Multimode	1300nm	SC, ST, MT-RJ, VF-45, LC
Singlemode	1300nm	SC, MT-RJ, LC
	1550nm	SC
• Distance/Power Budget		
Multimode	62.5/125µ	6Km (11dB budget)
Singlemode	9/125µ	20km 40Km 60Km 100Km
Min power budget		11dB 21dB 31dB 32dB
• Single Fiber Distance/Power Budget		
Singlemode	9/125µ	35Km 80Km
Min power budget		18dB 26dB

Electrical Characteristics

(Installed in WIZ-2016/2004/2001 Chassis)

Chassis main Input Voltage	90 - 240 VAC or -48 VDC
Frequency	47 - 400 Hz
DC Power Consumption (PU)	WIZ-505 - 1.6 PU
(Power Units per module)	WIZ-545 - 2.0 PU

Physical Dimensions (Module)

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

Safety & Emissions

CE, FCC Part 15, EM60950

Switching Method

Store and forward, learning & aging



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