WizLAN Ltd.

Scalable Manageable Switching Solutions

WIZ-801

8-port Manageable Switch Module

WIZ-806/807

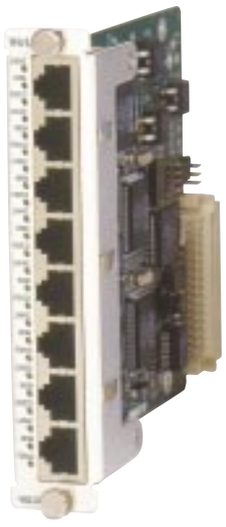
F/O Uplink Concentrator Modules

MEDIA WIZARD

WizLAN's provides the ideal switching solution for services providers of offices and multi-tenant buildings. WizLAN's scalable solutions are specifically designed to address the isolation, identification, control and management requirements of these markets.

Using a **WIZ-806/807** F/O uplink concentrator, up to seven **WIZ-801** (8-port fully manageable enhanced Ethernet) switch modules are combined into a single manageable switch unit to provide support for up to 56 10/100BaseT/TX subscribers. The slide-in hot-swappable modules are housed in the Media Wizard (Telco grade) 16-slot manageable chassis along with any other combination of Media Wizard modules.

The modular system design provides customizable solutions, scalable to meet the growing demands of subscribers and expansion of services within the buildings.



WIZ-801 Manageable Fast Ethernet Switch Features

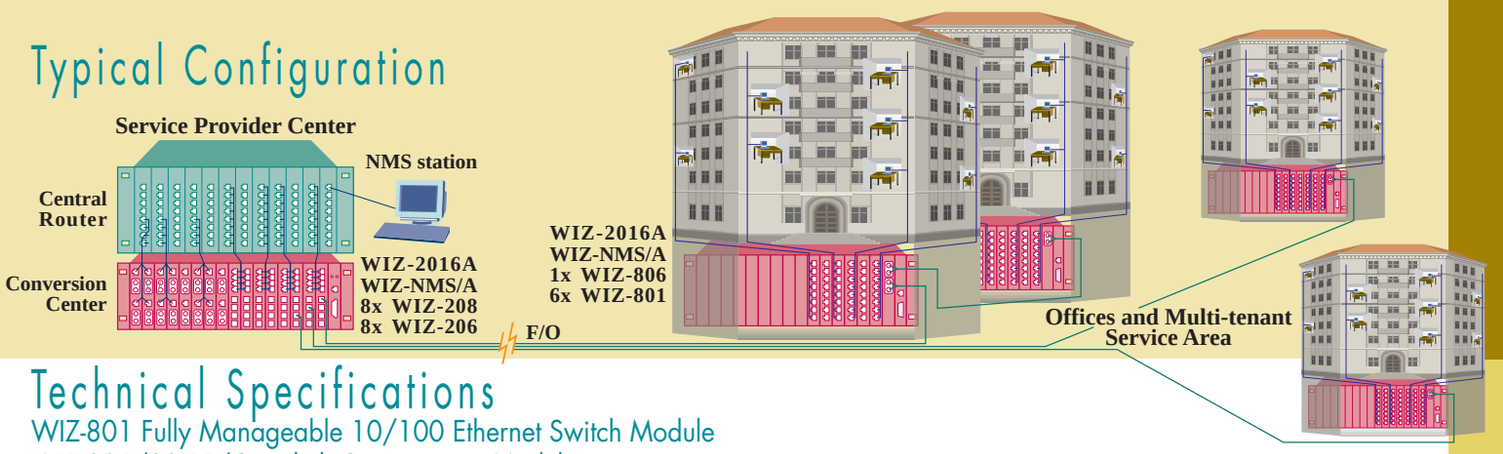
- Eight-port 10/100BaseT/TX switch - scalable up to 56 ports
- Backplane connection to F/O uplink (uplink concentrator module)
- 802.1Q VLAN for identification and service isolation
- Tag insertion and removal
- Individual and broadcast VLAN IDs
- Rate-limit, flow-control, jumbo frames
- Auto MDI/MDI-X crossover
- Enhanced management providing port configuration and operation capabilities (SNMP and Telnet)

WIZ-806/807 F/O Uplink Concentrator Features

- F/O uplink concentrator for six or seven slots
- F/O uplink port - dual fiber, single fiber, CWDM
- Second F/O uplink port for daisy-chaining
- Slot/port-based VLAN support
- FEF (Far-End-Fault) link verification
- MM up to 6Km, SM up to 100Km
- Single Fiber version
- In-band management support
- SNMP management

WizLAN Ltd. **Simply Unbeatable**

Typical Configuration



Technical Specifications

WIZ-801 Fully Manageable 10/100 Ethernet Switch Module
WIZ-806/807 F/O Uplink Concentrator Modules

WIZ-801 Specifications

Ports

Eight 10/100BaseT/TX Ports
RJ-45 connectors, auto MDI/MDI-X crossover
10/100M A/N (speed, HDX/FDX)
100 meter (330 ft) distance over UTP/STP

LED Indicators

LN/AC – link/activity indication
100M – 100M speed indication
FD/CO – Full-Duplex / Collision indication

Technology

Full wire-speed store-and-forward switching technology
1K MAC address (auto-learning and aging)
128KByte frame-buffer memory

Special Features

802.1Q VLAN, multiple VLAN IDs per port, tag insert/remove
Full SNMP management and Telnet configuration
Jumbo frames (up to 1916 bytes)
Force Flow Control on FDX ports
Auto MDI/MDI-X crossover
Rate-limit, open/close port
Port configuration, link status and traffic monitoring
In-band management support

WIZ-806/807 Specifications

Ports

WIZ-807 (seven slot concentrator) – single 100BaseFX uplink port
WIZ-806 (six slot concentrator) – dual 100BaseFX uplink ports
Interface:

Multimode (MM), 1310nm	SC, ST, MT-RJ, VF-45, LC
Singlemode (SM), 1310nm	SC, ST, MT-RJ, LC
Singlemode (SM), 1550nm	SC, LC

Distance / power budget:

Multimode (MM), 62.5/125µ	6Km/11dB		
Singlemode (SM), 9/125µ	30Km 18dB	50Km 30dB	100Km (1550nm) 34db
Single Fiber (SF), 9/125µ	20Km 18dB	50Km 31dB	

LED Indicators

F/O port LEDs
Link – link/activity indication
FDX – full-duplex / collision indication
6/7 LEDs – active backplane slot connection

Technology

Full wire-speed store-and-forward switching technology
1K MAC address (auto-learning and aging)
128KByte frame-buffer memory
Maximum frame size – 1536 byte

Special Features

Port-based VLAN, Far-end-Fault (FEF) detection
SNMP management, In-band management support

WIZ-801/806/807 Electrical and Mechanical Specifications

Standard Compliance

IEEE802.3u	10Base Ethernet/100Base Fast Ethernet
IEEE802.3	Auto-negotiate

Safety & Emission

CE, FCC Part 15, EN60950

Module Dimensions

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

Power Consumption (Installed in Media Wizard chassis)

WIZ-801 DC Power Consumption (PU)	1.8PU
WIZ-806 DC Power Consumption (PU)	1.8PU
WIZ-807 DC Power Consumption (PU)	1.4PU

Environment

	°C	°F
Operating Temperature	0 to 45	32 to 113
Storage Temperature	-40 to 85	-40 to 185
Humidity	10% to 90%	non-condensing

Ordering Information

WIZ-801	8-port fully manageable 10/100BaseT/TX Ethernet switch module, with backplane connection
WIZ-806/807 M/[x]	Six-slot dual F/O uplink / seven-slot single F/O uplink concentrator module, uplink(s): 100BaseFX (MM, 1310nm, 0-6Km,[x])
WIZ-806/807 [Sn]/[x]	Six-slot dual F/O uplink / seven-slot single F/O uplink concentrator module, uplink(s): 100BaseFX (SM,[Sn]/[x])
WIZ-806/807 /SF/[Sn]/[x]	Six-slot dual F/O uplink / seven-slot single F/O uplink concentrator module, uplink(s): 100BaseFX (SM, Single Fiber,[Sn],[x])

**NOTE: For other F/O interfaces and CWDM options, please contact WizLAN Sales.*

Terminology

M	Multimode 1310nm 0-6Km	[x]= Type of F/O connector: ST, SC, VF-45, MT-RJ, or LC
[Sn]=S	Singlemode 1310nm, 18 dB, 0-30Km	[x]= Type of F/O connector: SC, ST, MT-RJ , LC
[Sn]=S1	Singlemode 1310nm, 30dB, 10-50Km	[x]= Type of F/O connector: SC, ST, LC
[Sn]=S2	Singlemode 1550nm, 34dB, 40-100Km	[x]= Type of F/O connector: SC, LC

Single Fiber (dual wavelength, works in pairs). type A: TX-1550nm and RX-1310nm, type-B: TX-1310nm and RX-1550nm

SF-A/[Sn]=S	Single Fiber SM A-1550/1310nm, 18dB, 0-20Km	[x]= Type of F/O connector: SC
SF-B/[Sn]=S	Single Fiber SM B-1310/1550nm, 18dB, 0-20Km	[x]= Type of F/O connector: SC
SF-A/[Sn]=S1	Single Fiber SM A-1550/1310nm, 31dB, 10-50Km	[x]= Type of F/O connector: SC
SF-B/[Sn]=S1	Single Fiber SM B-1310/1550nm, 31dB, 10-50Km	[x]= Type of F/O connector: SC

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