

WLM-220

A Wiz-Lite-Managed Product

Description

- Fully managed dual speed converter
- Isolated out-of-band management port
- Highly secured in/out of band management access
- 10/100BaseT ports, RJ45, A/N or manual, auto crossover
- 100BaseFX port supporting multimode or singlemode (dual or single fiber) with a variety of F/O connectors
- Enhanced port/converter settings including on/off, MDI/X, speed, duplex, flow control, rate limit, learning/aging, PONL, FEF as well as 802.1Q VLAN for MNGT access, RMON counters etc.
- Embedded management agent (fixed IP or DHCP) supporting SNMP, Telnet or Web management
- Remote in/out of band management via WizLAN's WIZ-View/A EMS application, Telnet or Web based
- Unique test utility for network connectivity
- Port monitoring function - optional
- Special version for F/O protected mounting
- Available with Internal or External power supply
- Desktop or wall mounting

The WLM-220 is a fully managed dual-speed stand-alone converter with highly secured in/out of band management capabilities. Based on state-of-the-art technology, industrial grade components and compact design, the WLM-220 is a perfect fit for enterprise and Telco F/O managed networks.

WLM-220 is available with a choice of Internal PS (AC or DC); External PS (AC) or FP - Fiber Protector versions. The unique FP version best suits FTTX installations protecting the incoming fiber and power jack while keeping only the RJ-45 port exposed for user's access.

The WLM-220 includes embedded SNMP agent with full capability cross platform Java Web based EMS and Telnet support. The unique out-of-band MNGT port and MNGT VLAN option, enables to isolate the management while maintaining secured and transparent conversion services. Enhanced security for management access is provided by passwords, IP access list, 802.1Q VLAN and path control options.

The management provides control of all ports / converter parameters, including learning/aging, rate limit, flow control and link verification features like PONL and FEF, as well as monitoring, RMON statistics and remote software updates.

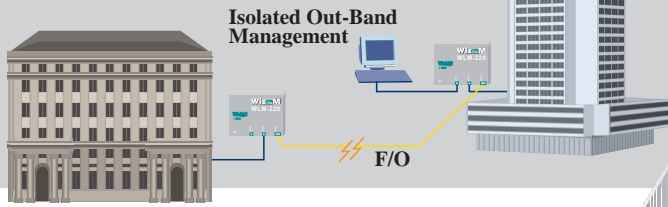
Although fully managed, the WLM-220 is a Plug & Play device. The initial IP/DHCP settings done via local CLI (RS232) connection or through an optional Infrared i/f to IPAQ PDA, while specific configurations, if required different from the factory defaults, done using the intuitive self-explanatory Wiz-View/A or Web GUI, or through Telnet. Unique access/network connectivity tester is available through CLI (RS232) or IPAQ PDA. This test utility is very useful and efficient upon installation, service and maintenance.

Per port LED indicators provides high visibility of port status and converter activity in both desktop and wall mount installations.

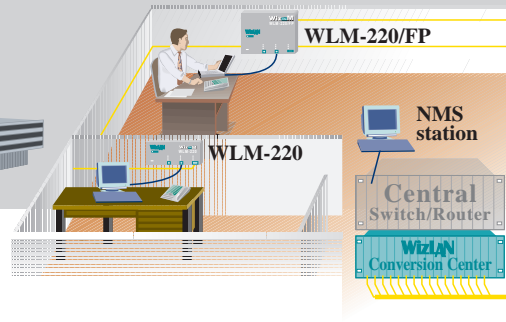


Typical Configuration

Fully Managed Leased Links



Fully Managed FTTO



Fully Managed L2H



Fiber Optic

Technical Specifications

WLM-220 – Managed Converter

10/100BaseT ports (converter and out-band ports)

10/100BaseT RJ-45 auto/manual MDI crossover (manageable)
A/N or manual (speed and HDX/FDX) Via management
100 meter (330 ft) distance over UTP/STP

LED Indicators

POWER - Power indication
Link/Activity - Link / Activity indication, LED per port
100Mbps - 100Mbps speed indication, LED per port
FDX/Collision - Full duplex / Collision indication, LED per port

Technology

Store & forward non-blocking fast switching technology
Manageable learning and aging (enables transparency and low latency)
Maximum frame size: 1536 bytes
Address table: 2,048 MAC addresses
MNGT Agent: Embedded SNMP agent, Web server - Java Web based EMS and Telnet support

Management Options

Fully manageable via SNMP, Web and Telnet
Management access: in-band and/or out-band (Isolated)
Access security: Passwords, IP access list, 802.1Q VLAN, Secure NMS path

Initial Configuration

- Via RS-232 CLI local connection (RJ-11), using a specific cable available from WizLAN
- Via Infrared, using IPAQ application, provided by WizLAN (future option)

Network Test Utility

Available on CLI (RS-232), IPAQ PDA (Infrared) and Telnet

Standard Compliance

IEEE802.3, 802.3U, 802.3x, 802.1Q, 802.1p

100BaseFX Uplink Port

Interface (duplex fiber):

Multimode (MM), 1310nm Connectors: SC, ST, LC, VF-45, MT-RJ

Singlemode (SM), 1310/1550nm Connectors: SC, ST, LC

Power budget / Distance:

Multimode (MM 62.5/125 μ) 11dB/6Km

Singlemode (SM 9/125 μ) 18dB/30Km, 30dB/50Km, 34dB/100Km

Single Fiber (SM, SF dual wavelength) 18dB/20Km, 30dB/50Km

Link Verification Functions

- Far-End-Fault (FEF) detection on fiber port (manageable)
- Single/Bi directional PONL (Propagation Of No Link)

Power

- IPS version: Internal wide-range Power Supply (IPS)
AC input: 90-264VAC 50/60Hz (14W max.). DC options available
- EPS version: External wide-range power adaptor (EPS):
AC input: 90 - 264 VAC 50/60Hz (14W max.)
DC output: 5VDC 2Amp. Regulated



Safety and Emissions

CE, FCC Part 15, EN60950

Module Dimensions

Module Dimensions	Length	Width	Height/Depth
WLM-220/___/EPS	91mm(3.6")	150mm(5.9")	31mm(1.3")
WLM-220/___/IPS	169mm(6.7")	150mm(5.9")	36mm(1.43")
WLM-220/___/FP	183mm(7.2")	150mm(5.9")	36mm(1.43")

Environment

Operating: 0 to 45 °C (32 to 113 °F)

Storage: -30 to 65 °C (-22 to 149 °F)

Humidity: 10% to 90% non-condensing

Special Options

Port mirroring (add-on feature)

Ordering Information

WLM-220/___/___ Fully managed dual speed converter. One port 10/100BaseT, one 100BaseFX port ([Uplink Type], [connector type]), [model]. Inc. 10/100BaseT out-band port.

Ordering terminology

WLM-220 [Uplink type]/[connector type]/[model]. Inc. 10/100BaseT out-band port.

M	= Multimode, 1310nm, 11 dB, 0-6Km,	SC	EPS - External Power Supply (AC)
S	= Singlemode, 1310nm, 18 dB, 0-30Km	ST	IPS - Internal Power Supply (AC)
S1	= Singlemode, 1310nm, 30dB, 10-50Km	LC	IPS-DCL - Internal DC PS, 9-36VDC
S2	= Singlemode, 1550nm, 34dB, 40-100Km	VF-45	IPS-DCH - Internal DC PS, 36-72VDC
* SF-A/B	= Single Fiber, SM -1550/1310nm, 18dB, 0-20Km	MT-RJ	FP - Fiber Protector, including EPS
* S1F-A/B	= Single Fiber, SM -1550/1310nm, 30dB, 10-50Km		[any]/ IR - Infrared i/f option for initial setup

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

Example: **WLM-220/S/SC/FP** Fully managed dual speed converter. One port 10/100BaseT, one 100BaseFX port (singlemode 1310nm, 18dB, 30Km, SC). Fiber Protector with EPS. Inc. 10/100BaseT out-band port.

Accessories

WLM-CLI Cable Special CLI (RS-232) cable for WizLite Managed product line. RJ-11 - DB9 cable optionally used for initial device configuration.

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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