



WLM-520

A Wiz-Lite Managed Product

Description

- 5 ports fully managed high-end switch
- Four 10/100M ports, RJ45, A/N or manual, auto crossover
- F/O uplink port supporting multimode and singlemode (dual and single fibers) with variety of F/O connectors
- PoE version supporting IEEE802.3af PDs
- Enhanced switching functionalities including 802.1Q VLAN, Quality of Service (QoS), Rate limit, Flow control, FEF, RMON, port mirroring, MAC access security, 802.1d/w spanning tree, option of 802.1x authenticator and more
- Embedded management agent (fixed IP or DHCP) with highly secured in-band connection supporting SNMP, Telnet and Web
- Remote management via WizLAN's enhanced WIZ-View/A EMS application, Telnet and Web
- Desktop and wall mounting with Built-in or external wide range power supply
- Special version for F/O protected mounting

The WLM-520 is a fully manageable high-end access switch used in Fiber to the Home/Office (FTTH/O) networks and remote workgroup applications. Based on state-of-the-art technology, industrial grade components and compact design, the WLM-520 sets new standards for F/O distributed network environments.

The WLM-520 is available in four versions: PoE version providing four PSE ports for power over Ethernet supporting IEEE802.3af PDs, Fiber Protected (FP) version that protects the incoming fiber and power jack, keeping only the RJ-45 ports exposed for user's access and Standard versions equipped with either internal (IPS) or external (EPS) power supply.

The PoE version includes internal universal power supply.

Supporting 64 802.1Q VLANs, quality of service (QoS) with four traffic classes, rate limit, RMON, port mirroring among other advanced features like spanning tree, MAC/802.1x access control makes the WLM-520 preferable access switch in managed fiber-optic distributed networks capable of providing advanced multimedia services such as data, voice (VoIP) and video.

The WLM-520 includes embedded SNMP agent and full capability cross platform Java Web based EMS. The WLM-520 provides secured in-band connection for all remote managers: SNMP, Telnet and Web. Access security achieved via IP access list, secure NMS path and passwords. The management provides control and monitoring of all switch parameters, features, functions (including PoE operation), hardware and environment as well as remote software update capabilities.

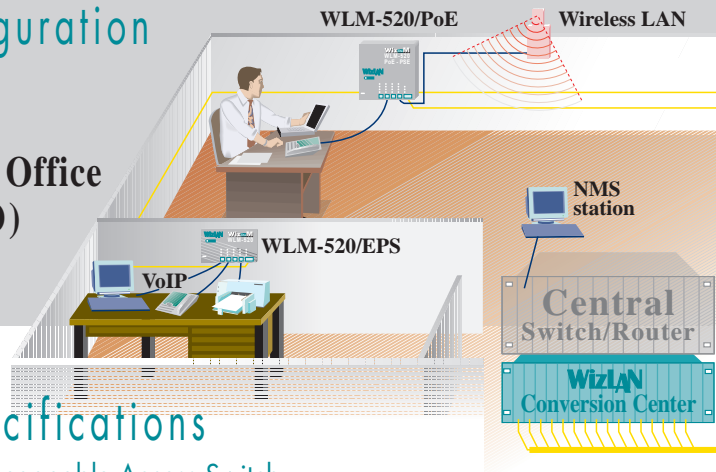
Upon installation, the WLM-520 provides the unique ability to configure and perform network connectivity tests, using either secured CLI (RS-232) local connection or infrared i/f (optional) using IPAQ PDA.

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

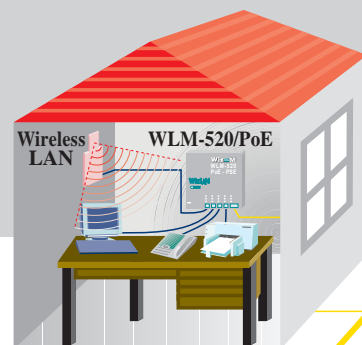


Typical Configuration

Fiber to the Office (FTTO)



LAN to Home (L2H)



Technical Specifications

WLM-520 – 5 Ports Manageable Access Switch

4x 10/100BaseT/TX External ports

10/100BaseT/TX RJ-45 auto-MDI crossover
A/N or manual (speed 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
PoE-ON - PoE power supplies indication, LED per port (for PoE version only)

Technology

Store & forward non-blocking fast switching technology
Maximum frame size: 1536 bytes
Address table: 2,048 MAC addresses with automatic learning and aging
MNGT Agent: Embedded SNMP agent, Web server - Java Web based EMS and Telnet. Highly secured access

Management Options

Fully manageable via SNMP, Web and Telnet

IP Setup and Network Connectivity Tester

Configuration Options

- RS-232 CLI local connection (RJ-11), using a special cable available from WizLAN
- Using Infrared i/f (optional) to an IPAQ PDA device. IPAQ application for setup and network connectivity tests is provided

Standard Compliance

IEEE802.3, 802.3U, 802.3x, 802.1Q, 802.1p, 802.1d/w, 802.1x

Safety and Emissions

CE, FCC Part 15, EN60950

Ordering Information

WLM-520/___/___/___ 5 port fully managed access switch. Four ports 10/100BaseTX, one 100BaseFX uplink port ([Uplink Type], [connector type]), [model (either Standard (IPS) or EPS), Fiber Protector (FP) or Power over Ethernet (PoE)] with or w/o Infrared option].

Ordering terminology

WLM-520 / [Uplink type] / [connector type] / [model]

M = Multimode, 1310nm, 0-6Km,
S = Singlemode, 1310nm, 18 dB, 0-30Km
S1 = Singlemode, 1310nm, 30dB, 10-50Km
S2 = Singlemode, 1550nm, 34dB, 40-100Km
* **SF-A** = Single Fiber, SM A-1550/1310nm, 18dB, 0-20Km
* **SF-B** = Single Fiber, SM B-1310/1550nm, 18dB, 0-20Km
* **S1F-A** = Single Fiber, SM A-1550/1310nm, 31dB, 10-50Km
* **S1F-B** = Single Fiber, SM B-1310/1550nm, 31dB, 10-50Km

SC
ST
LC
VF-45
MT-RJ

EPS - Standard model, External Power Supply
IPS - Standard model, Internal Power Supply
FP - Fiber Protector, including EPS
PoE - PoE-PSE, IEEE802.3af, 30VA, IPS
[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, SC connectors only.

Example: **WLM-520/S/SC/PoE/IR** 5 port fully managed access switch. Four ports 10/100BaseTX, one 100BaseFX uplink port (singlemode 1310nm, 18dB, 30Km, SC). PoE-PSE, 802.3af, 30VA, IPS and Infrared i/f.

Add-on Functionalities and Accessories

W-802.1x.....Port based network access control package - IEEE802.1x authenticator

WLM-CLI Cable.....Special CLI (RS-232) cable for Wiz-Lite 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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Rev.02

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

Distance / power budget:

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

Link Verification Functions

- Far-end-Fault (FEF) detection on fiber port (selectable)
- Port mirroring

Power Options

- Standard (EPS) and FP versions: External Power Adaptor (EPS)
AC input: 90-264VAC 50/60Hz (14W max.) +5V-
DC output: 5VDC 2Amp. Regulated →
- Standard (IPS) version: Internal Power Supply (IPS)
AC input: 90-264VAC 50/60Hz (14W max.)
- PoE PSE version: Internal Power Supply (IPS)
Input voltage: 90-264VAC 50/60Hz (70W max.)
- DC input units (9-36; 36-72 VDC) available upon request

PoE (Power over Ethernet) Options

PSE (Power Sourcing Equipment) on all four RJ-45 ports

- PoE - IEEE 802.3af (30VA available for all 4 ports)

Module Dimensions

	Length	Width	Height/Depth
WLM-520/___/___/EPS	82mm(3.3")	150mm(5.9")	31mm(1.3")
WLM-520/___/___/IPS	154mm(6.1")	150mm(5.9")	36mm(1.43")
WLM-520/___/___/FP	154mm(6.1")	150mm(5.9")	31mm(1.3")
WLM-520/___/___/PoE	183mm(7.2")	150mm(5.9")	47mm(1.85")

Environment

Operating: 0 to 50 °C (32 to 122 °F) Environment Temperature

Storage: -30 to 65 °C (-22 to 149 °F)

Humidity: 10% to 90% non-condensing