WizLAN Ltd.

6 port Versatile Installation Switch
10/100BaseTX and 100BaseFX

WP-560A

A Wiz-Plate Product

Description

- Versatile, fully managed high-end cable-duct switch
- Four external 10/100M RJ45 auto MDI ports
- F/O or copper uplink and daisy-chain ports, enables multiple cascading of WP-560 switches
- Plug-in management module providing SNMP agent, web mngt and Telnet (Fixed IP or DHCP) with highly secured in-band access via IP access list, secure NMS path and passwords.
- Plug-in power over LAN (PoE) module, supporting IEEE802.3af PDs (full power) on all four external ports
- Remote Management via WizLAN's enhanced Wiz-View/A application, Web (full Java applet) and Telnet
- F/O ports available with MM or SM, DF or SF F/O interfaces with a choice of SC, ST or LC connectors.
- Low voltage operation via external wide range power supply (48VDC, PoE ready)
- Low power consumption, less than 5 Watts (without PoE)

Installation Features

- Compact design with low mounting depth
- Plug-in, field upgradeable modules for management and PoE/PSE support
- Fast & Simple installation and operation
- Suitable for any common duct/trunk system and floor tanks installations
- Interfaces with different faceplates
- Easy rotation, four direction horizontal and vertical mounting
- Initial configuration and network connectivity tester via secured CLI (RS-232) connection, and WizLAN Wiz-Init remote application
- External wide range power supply suitable for cable-ducts and sub-floor installations
- Supported in Wiz-Bulk remote download App.
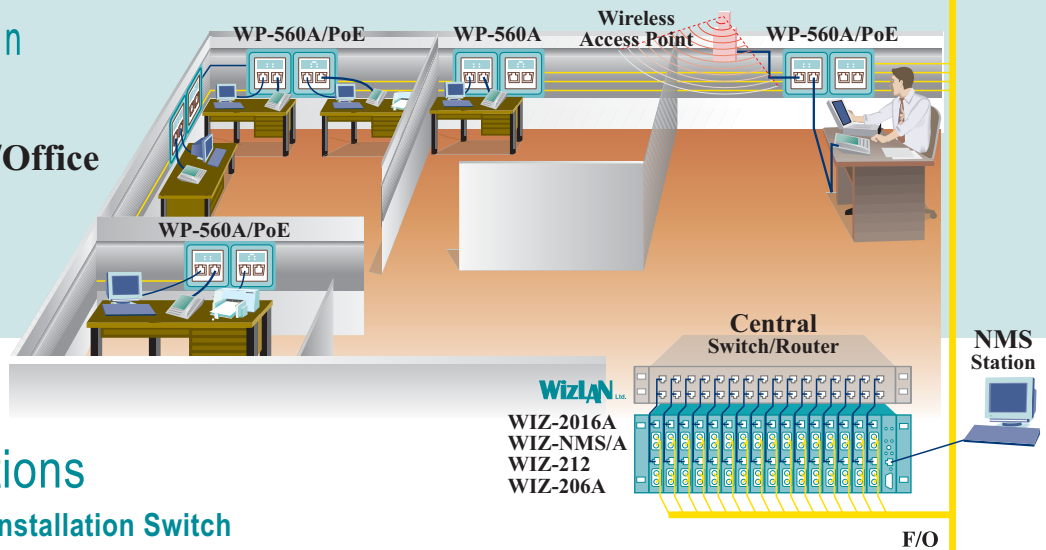
Features and Management

- Port based network access control via MAC security and optional 802.1x authenticator
- Spanning Tree 802.1d/w support
- A/N and manual modes (speed, duplex)
- Open/close port, FEF configuration for F/O port
- Per port QoS/CoS configuration with 4 traffic classes and prioritized packet streams
- 64 802.1Q VLANs, tag insertion and removal
- Rate limit, flow control, large (VLAN) frames
- RMON - Ethernet statistic group
- Link status, traffic, temperature and voltage monitoring
- Event log, prioritization and trap management
- User assigned names
- Remote software update capabilities
- PoE management, including open/close port, remote reset and power measurement

WizLAN Ltd.
Your Connectivity Partner

WIZ-PLATE

WP-560A/PoE **WP-560A** Wireless
Access Point **WP-560A/PoE**

Fiber to the Desk/Office
FTTD

WP-560A/PoE

Central
Switch/Router

NMS
Station

WIZ-2016A
WIZ-NMS/A
WIZ-212
WIZ-206A

F/O

Technical Specifications

WP-560A - 6 Port Manageable Installation Switch

4x 10/100BaseT/TX External ports
Daisy-chain and uplink ports (if copper)
10/100BaseT/TX RJ-45 auto MDI/MDIX
A/N or manual (speed, HDX/FDX) via management
100 meter (330ft) distance over UTP/STP

LED Indications
PORT[n]   - Link/Activity indication, six LEDs: external ports 1-4,
              daisy-chain port -5 and Uplink port
POWER   - Power ON indication
MNGT   - Management agent activity indication
PoE   - PoE, Power provided to the port (ports 1,2,3,4)

Technology
Store & forward fast switching technology
Maximum frame size: 1536 bytes
Address table: 2,048 MAC addresses with automatic
                learning and aging

Plug-in Modules
WP-NMS - Management module, SNMP, Web and Telnet

WP-PSE - Power over LAN IEEE802.3af PSE module,
              Supporting four ports, Max. 15.4W per port

IP initial setup
- RS-232 CLI local connection, using special cable available
  from WizLAN. Includes network connectivity tester.
- Wiz-Init remote application (Available from WizLAN)

Unit Dimensions
H: 53mm (2.1") x W: 125mm (4.92") x D: 32mm (1.26")

100BaseFX Uplink/Daisy-chain Ports
Interface - duplex fiber:
    Multimode (MM), 1310nm   Connectors: SC, ST, LC
    Singlemode (SM), 1310nm   Connectors: SC, ST, LC
Distance (estimation) / power budget:
    Multimode (MM), 62.5/125μ 6Km/11dB
    Singlemode (SM), 9/125μ 30Km/18dB

F/O Link Verification Functions
Far-End-Fault (FEF) detection on fiber port (selectable via MNGT)

Standard Compliance
IEEE802.3, 802.3U, 802.3x, 802.3Q, 802.3p, 802.1d/w
RMON: RFC 2819 (absoletes 1757 and 1217) Ethernet statistic group
IEEE802.3af

Safety and Emission
CE, FCC Part 15, EN60950

Power
48VDC operated via external desktop style power supply suitable for
cable ducts and subfloor installations
AC input voltage: 90-264VAC, 50/60Hz   Output: 48VDC, 60Watts
High power version is optional

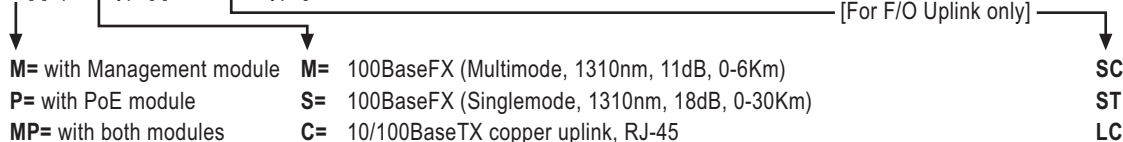Power Consumption: 5 Watts max. (without PoE)

Environment
Operation: 0 to 45°C (32 to 113°F) environment temperature
Storage: -30 to 65°C (-22 to 149°F)
Humidity: 10% to 90% non-condensing

Ordering Information
WP-560A/x/_/_ 6 port Duct switch, four external ports 10/100BaseTX, one uplink port {[Uplink type], connector type]}, one 10/100BaseTX daisy-chain
              port. External 48V desktop adaptor, 60Watts, wide range AC input. Optional plug-in modules: Management module (x=M), PoE module
              (x=P), both modules (x=MP).

Ordering Terminology
WP-560A/x/]/[Uplink type]/[connector type]

[For F/O Uplink only]

M= with Management module   **M=**   100BaseFX (Multimode, 1310nm, 11dB, 0-6Km)   **SC**
P= with PoE module   **S=**   100BaseFX (Singlemode, 1310nm, 18dB, 0-30Km)   **ST**
MP= with both modules   **C=**   10/100BaseTX copper uplink, RJ-45   **LC**

Example: **WP-560A/MP/M/SC** 6 port Duct switch, four external ports 10/100BaseTX, one uplink port 100BaseFX (Multimode, 1310nm, 11dB, 0-6Km,
SC), one 10/100BaseTX daisy-chain port. External 48V desktop adaptor, 60Watts, wide range AC input. With Management and PoE modules pre-
installed at factory.

Note: for special devices with different F/O interfaces, F/O daisy chain port and/or high power PS, please contact WizLAN representative.

Plug-in Modules, Accessories and add-on features (can be pre-installed/configured at factory)

WP-PSE _____ Four port PoE plug-in module, providing IEEE802.3af PSE upto 15.4Watts per port
WP-NMS _____ Plug-in management module providing SNMP agent, Web management and Telnet, field upgradeable
WP-CLI Cable _____ Special RS232 CLI configuration cable for Wiz-Plate product line, mini USB to DB9 female. Used for initial device configuration
WP-Cable Holder ____ Add-on metal accessory for the WP units that holds the incoming fiber and power cable.
WP-802.1x _____ Port based network access control - IEEE802.1x authenticator

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