



# 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.

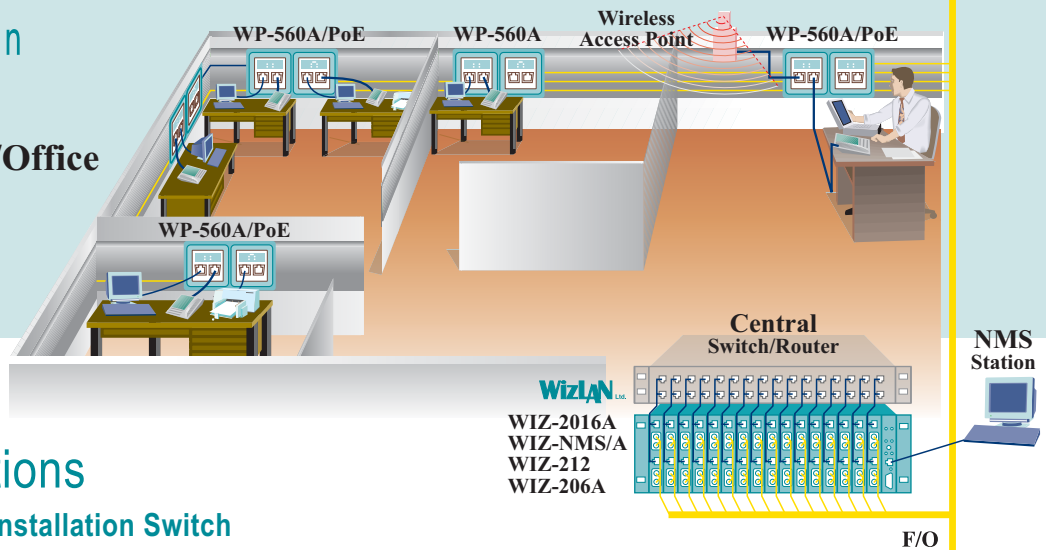
### Features and Management

- 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



# Typical Configuration

## Fiber to the Desk/Office FTTD



## 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 (absolutes 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, 60/65Watts  
High power version is optional

Power Consumption: 5 Watts max. (without PoE)

#### Environment

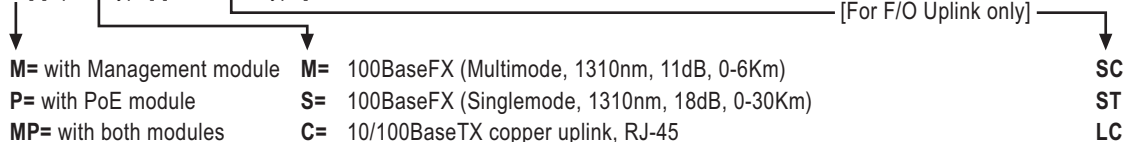
Operation: 0 to 45°C (32 to 113°F) environment temperature  
Storage: -30 to 65°C (-22 to 149°F)  
Humidity: 10% to 90% non-condensing

#### 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, 60/65Watts, 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]



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, 60/65Watts, 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 upgradable

**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

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.