



WP-680A

Description A Wiz-Plate Product

- Fully manageable Gigabit cable-duct switch
- Four external 10/100/1000Base-T RJ45 auto MDI ports
- Gigabit, 1000Base-X uplink port, and optional daisy chain port with triple speed TP or Gigabit F/O port, enables multiple cascading of WP-6x0 switches
- Plug-in power over LAN (PoE) module, supporting IEEE802.3af PDs (full power) on all four external ports
- Plug-in HP management module providing SNMP agent, web (full Java applet) and Telnet (Fix IP or DHCP)
- Remote Management via WizLAN's enhanced Wiz-View/B application, Web browser and Telnet
- Highly secured in-band access via IP access list, secure NMS path, passwords and optional HTTPS
- F/O ports available for MM or SM, DF or SF fibers with a choice of SFP (LC) or SC connectors.
- Low voltage operation via external wide range power supply (48VDC, PoE ready)
- Low power consumption, less than 6 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
- Fits standard faceplates from different vendors
- Easy rotation, two direction horizontal and vertical mounting
- Initial configuration via 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.

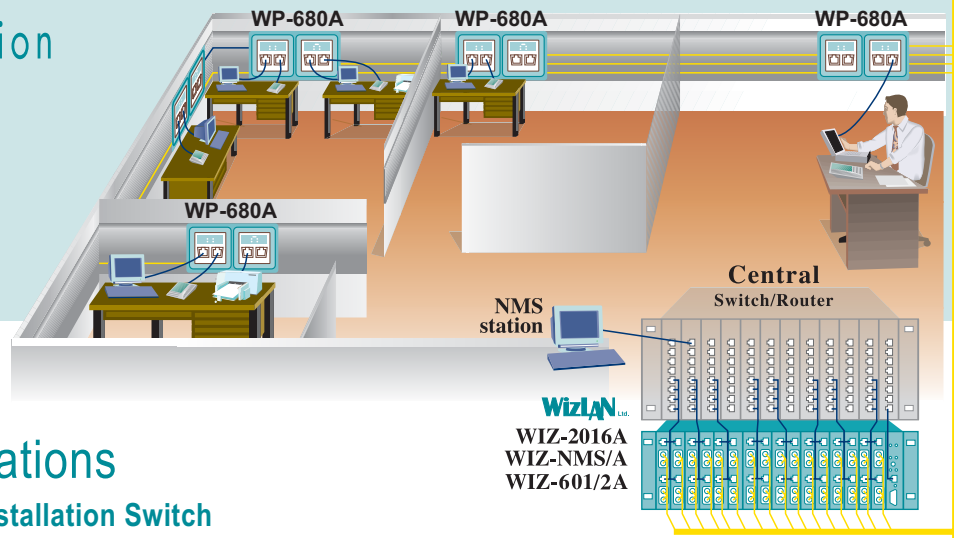
Features and Management

- Port based network access control via MAC security and optional 802.1x authenticator
- Spanning Tree 802.1d/w and IGMP 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 Office (FTTO)



Technical Specifications

WP-680A - 6 Port Modular Installation Switch

4x 10/100/1000Base-T user's ports and optional daisy-chain port

10/100/1000Base-T RJ-45 auto negotiate, auto MDI and polarity
100 meter (330ft) distance over TP cables Cat5e and higher

LED Indications

PORT[n] - Link/Activity indication, six LEDs: user's 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, true non-blocking switching performance

Shared 1 Mbit frame buffer memory

Maximum frame size: 1632 bytes

Address table: 1,024 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

Wiz-Init remote application (Available from WizLAN)

Unit Dimensions

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

1000Base-X Uplink and optional daisy-chain Ports

Interface - duplex fiber: (daisy-chain port only SFP)

Multimode (MM), 850nm Connectors: SFP (LC), SC

Singlemode (SM), 1310nm Connectors: SFP (LC), SC

Distance (estimation) / power budget:

Multimode (MM), 62.5 or 50/125μ 220/550m/8dB

Singlemode (SM), 9/125μ, 1310nm 10Km/10dB

Single Fiber (SF), 9/125μ, 1310/1550nm 10Km/12dB

Special Features

Port mirroring; Spanning tree STP/RSTP; IGMP snooping; MAC security; 802.1x authentication and more

Standard Compliance

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

RMON: RFC 2819 (obsoletes 1757 and 1217) Ethernet statistic group

IEEE802.3af

Safety and Emission

CE, FCC Part 15, EN60950

Power and External PS

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 available upon request

Power Consumption: 6 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)

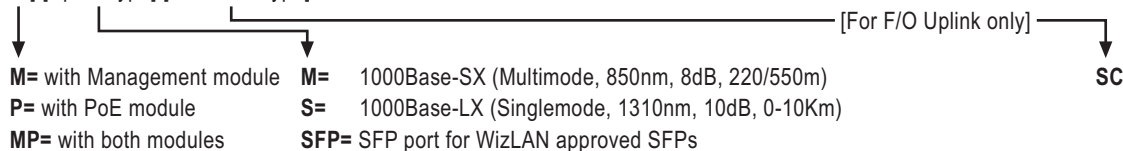
Humidity: 10% to 90% non-condensing

Ordering Information

WP-680A/x/_/_ 6 port Gigabit Duct switch, four user's ports 10/100/1000Base-T, one 1000Base-X uplink port {[Uplink type], connector type}, one 10/100/1000Base-T 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-680A/x/_[Uplink type]/[connector type]



Example: **WP-680A/MP/M/SC** 6 port Gigabit Duct switch, four user's ports 10/100/1000Base-T, one 1000Base-SX uplink port (multimode, 850nm, 8dB, 220/550m, SC), one 10/100/1000Base-T 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, 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, field upgradable.

WP-NMS/HP _____ Plug-in High Power management module providing SNMP agent, Web management and Telnet, field upgradable.

WP-Cable Holder _____ Add-on metal accessory for the WP units that holds the incoming fiber and power cable.

W-802.1x _____ Port based network access control - IEEE802.1x authenticator (license per WP unit).

W-HTTPS _____ Secured Web interface (license per WP unit).

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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