WizLAN Ltd.

6 Port Managed Installation Switch
Gigabit and 10/100/1000BaseT

WP-660
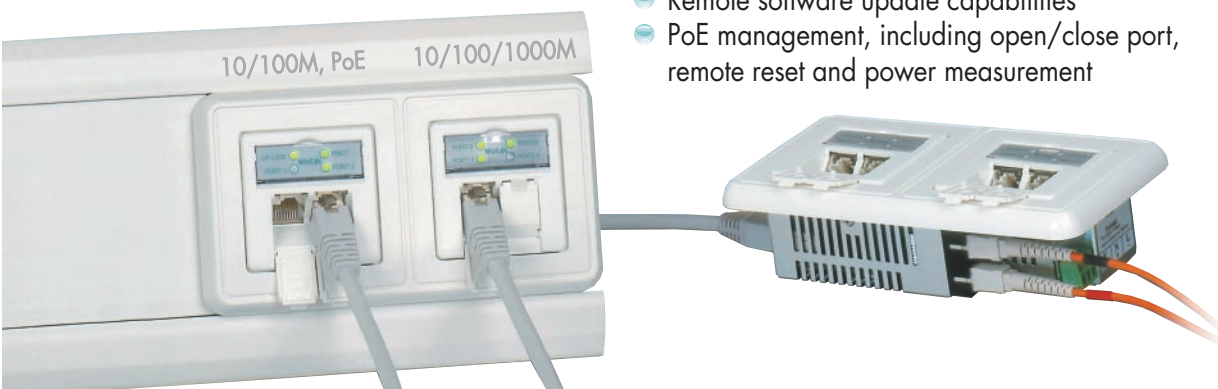
A Wiz-Plate Product

Description

- Fully managed high-end cable-duct installation switch
- Built-in support for PoE, IEEE802.3af PDs
- Gigabit, 1000BaseSX/LX F/O uplink port
- Two external 10/100/1000M auto-negotiate, auto MDI/MDI-X ports
- 10/100M daisy-chain port, enables multiple cascading of installation switches or a fifth port using a passive outlet
- Fully managed/management-ready options via plug-in management module, field upgradeable

- Integrated management agent and Web server (fixed IP or DHCP) with highly secured in-band access. NMS access secured by IP access list, secure NMS path and passwords
- Remote management via WizLAN's enhanced Wiz-View/A application, Web (full Java applet) and Telnet
- MM and SM, DF and SF F/O uplink interfaces with variety of F/O connectors
- Built-in wide range power supply, low power consumption, less than 5 Watts (AC)

Installation Features

- Compact design with low mounting depth
- Fast & Simple installation and operation
- Suitable for any common duct/trunk system and floor trunk installations
- Interfaces with different faceplates, colors and shapes
- Easy rotation, four-direction horizontal and vertical mounting
- Initial configuration and network connectivity tester via secured CLI (RS-232) connection
- Optional plug-in power supply for PoE operation
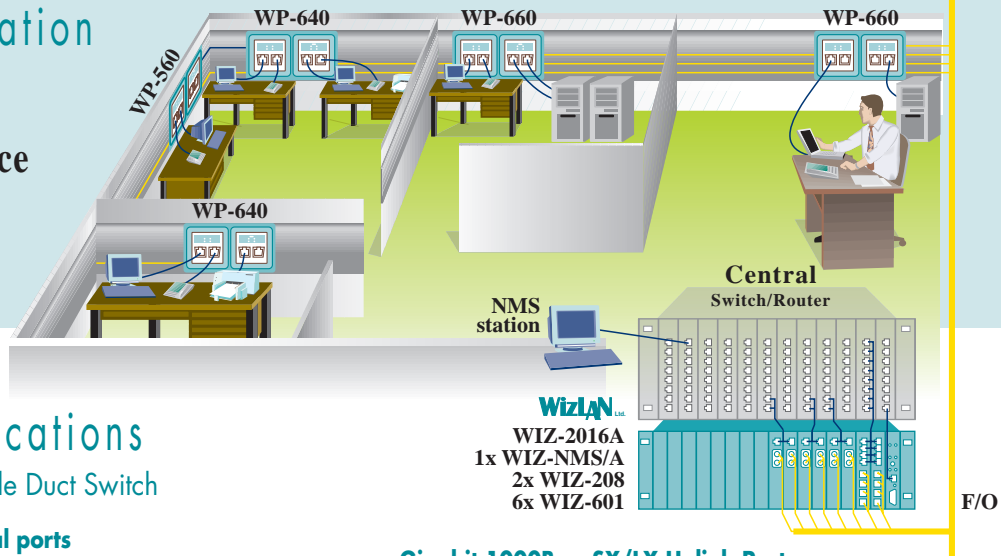- Bulk software download option

Operational and Management Features

- 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 four traffic classes and prioritized packet streams
- 4,096 802.1Q VLANs, tag insertion and removal
- Rate limit, flow control, large (VLAN) frames
- RMON - Ethernet statistic group
- Link status, traffic, temp. 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

10/100M, PoE   10/100/1000M

WIZ-PLATE

WizLAN Ltd. *Your Connectivity Partner*

Fiber to the Office
(FTTO)

WP-560

WP-640   WP-660   WP-660

WP-640

NMS station

Central
Switch/Router

WizLAN
WIZ-2016A
1x WIZ-NMS/A
2x WIZ-208
6x WIZ-601   **F/O**

Technical Specifications

WP-660 – 6 Port Manageable Duct Switch

2x 10/100/1000BaseT External ports
10/100/1000BaseT/TX RJ-45 auto-MDI/MDI-X
Auto Negotiate (speed, HDX/FDX)
100 meter (330 ft) distance over UTP/STP Cat5 or better

2x 10/100BaseT External ports
Daisy-chain and optional copper uplink ports
10/100BaseT/TX RJ-45 auto-MDI/MDI-X
A/N or manual (speed, HDX/FDX) via Management
100 meter (330 ft) distance over UTP/STP

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

Technology
Store & forward high-speed, non-blocking switching technology
Frame buffer memory: 1Mbit
Maximum frame size: 1,632 bytes
Address table: 8K MAC addresses, auto learning and aging
VLAN (802.1Q):   full 4,096 VLAN IDs

Management Options
• Managed via SNMP, Web or Telnet
• Unmanaged
Plug-in Agent module, field upgradeable

IP Setup and Network Connectivity Tester
Configuration Options
• RS-232 CLI local connection (mini USB), using a special cable
  available from WizLAN

Gigabit 1000BaseSX/LX Uplink Port
Interface (duplex fiber):
  Multimode (MM), 850nm   Connector: SC, LC
  Singlemode (SM), 1310nm   Connector: SC, LC
Distance / power budget:
  Multimode (MM), 62.5/50 μ 220/550m / 8dB
  Singlemode (SM), 9/125 μ 10Km / 10dB
  Single Fiber (SF), 9/125 μ 10Km / 12dB (dual wavelength)

Special Features
Port mirroring; spanning tree STP/RSTP; MAC security; 802.1x option

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

Safety and Emissions
CE, FCC Part 15, EN60950

Power
WP-660 (internal)
  Input voltage: 90-264VAC   50/60Hz (three wire terminal)
  Power Consumption (AC):   5 Watts max.
WP-PoE-PS (additional external power supply unit, optional)
  Input voltage: 90-264VAC   50/60Hz (three wire terminal)
  Providing 30VA

Environment
Operating: 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

Module Dimensions
L: 125mm (4.92") x W: 53mm (2.1") x D: 32mm (1.26")

Ordering Information
WP-660/_/_/_ 6 port [management type] Duct switch. Two external ports 10/100/1000BaseT, two external ports 10/100BaseT, one uplink port ([Uplink type], [connector type]), one 10/100BaseTX daisy-chain port. PoE ready. Internal wide range power supply.

Ordering terminology
WP-660/[management type]/[Uplink type]/[connector type]

(For F/O Uplink only)

M = fully managed   **M** = 1000BaseSX (Multimode, 850nm, 8dB, 0-220/550m)   **SC**
U = unmanaged   **S** = 1000BaseLX (Singlemode, 1310nm, 10dB, 0-10Km)   **LC**
                          * **SF-A** =1000BaseLX (Single Fiber, SM A-1550/1310nm, 12dB, 0-10Km)
                          * **SF-B** =1000BaseLX (Single Fiber, SM B-1310/1550nm, 12dB, 0-10Km)

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

Example: WP-660/M/S/SC   6 port fully managed Duct switch. Two external ports 10/100/1000BaseT, two external ports 10/100BaseT, one uplink port 1000BaseLX (Singlemode, 1310nm, 10dB, 0-10Km), one daisy-chain 10/100BaseTX port. PoE ready. Internal wide range power supply.

Add-on Functionalities and Accessories
WP-NMS - - - - - - - - - - - - - - - - -SNMP management agent plug-in module for the unmanaged WP-6xx duct units, field upgradeable
W-802.1x - - - - - - - - - - - - - - - -Port based network access control package - IEEE802.1x authenticator
WP-PoE-PS - - - - - - - - - - - - - -External universal power supply for PoE 802.3af operation, 30 VA
WP-CLI Cable - - - - - - - - - - - -Special RS-232 cable for Wiz-Plate product line, mini USB - DB9 female. Optionally used for CLI initial device configuration.
WP-Cable Holder - - - - - - - - - -Add-on metal accessory for WP units that holds the incoming fiber and power cable.

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