6 Port Managed Installation Switch Gigabit and 10/100BaseT





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
- Four external 10/100M 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



WIZLAN Ltd. Your Connectivity Partner

Typical Configuration

Fiber to the Office (FTTO)

Technical Specifications

WP-640 – 6 Port Manageable Duct Sv	witch	
------------------------------------	-------	--

4x 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 with automatic learning and aging full 4,096 VLAN IDs

VLAN (802.1Q):

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

Module Dimensions

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

Ordering Information

WP-640/_/___ 6 port [management type] Duct switch. Four external ports 10/100BaseTX, one uplink port ([Uplink type], [connector type]), one 10/100BaseTX daisy-chain port. PoE ready. Internal wide range power supply.

WP-640

ΩD

۵C ٩c QC

Ordering terminology

WP-640/[management type]/[Uplink type]/[connector type]

		L(For F/O Uplink only	/)
 M = fully managed 	▼ M =	1000BaseSX (Multimode, 850nm, 8dB, 0-220/550m)	sc
U = unmanaged		1000BaseLX (Singlemode, 1310nm, 10dB, 0-10Km)	LC
e onnanagoa		1000BaseLX (Single Fiber, SM A-1550/1310nm, 12dB, 0-10Km)	
		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-640/M/S/SC 6 port fully managed Duct switch. Four external ports 10/100BaseTX, 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.

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



Ltd. P.O. Box 7948, Haifa 31078, Israel e-mail: sales@wizlan.com http://www.wizlan.com Tel: +972-4-857-2199 Fax: +972-4-857-2204

Rev.02

Gigabit 1000BaseSX/LX Uplink Port Interface (duplex fiber):

WizLaN.

WIZ-2016A WIZ-NMS/A 2x WIZ-208 6x WIZ-601

Multimode (MM), 850nm Singlemode (SM), 1310nm Distance / power budget: Multimode (MM), 62.5/50 μ Singlemode (SM), $9/125 \mu$

Connector: SC, LC

Central Switch/Router

Single Fiber (SF), 9/125 µ

Connector: SC, LC

WP-640 00 00

220/550m / 8dB 10Km / 10dB 10Km / 12dB (dual wavelength)

F/O

Special Features

WP-640

90 00

NMS station

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 IFFF802.3af

Safety and Emissions CE, FCC Part 15, EN60950

Power

WP-640 (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) 10% to 90% non-condensing Humidity: