WizLAN Ltd.

6 port Gigabit Installation Switch
10/100/1000BaseT and 100/1000BaseX

WP-690B
A Wiz-Plate Product

Description

- Fully manageable Gigabit cable-duct switch, fits into standard 45x90 in-wall/duct systems, fanless
- Four external PoE user's ports, 10/100/1000M RJ45 A/N auto MDI
- Gigabit/100M SFP and 10/100/1000M RJ45 uplink/daisy-chain uplink ports
- Power over LAN (PoE) supporting IEEE802.3at/af PDs (PoE+, PoE) on all four RJ45 user's ports
- High power embedded management providing SNMP agent, web (full Java applet) and Telnet
- 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.
- Low voltage operation via compact external power supply, snap-in duct type or in-duct desktop style
- Low power consumption with aluminium panel for optimal heat dissipation

Features and Management

- Fix IP or DHCP IPv4 operation, IPv6 support
- Port based network access control via MAC security and optional 802.1x authenticator
- Multiple Radius server support for 802.1x and Web access passwords
- Spanning Tree 802.1d/w or PortFast RSTP and IGMP v3 snooping support
- Auto negotiation, auto crossover and polarity
- Per port QoS/CoS configuration with 4 traffic classes and prioritized packet streams 802.1q or TOS, broadcast storm control
- 64 802.1Q VLAN entries for the full 4K VIDs, enhanced tag operations
- Port based VLAN
- Up to 10K byte JUMBO frames support
- Open/close port, Rate limit, Flow control
- RMON - Ethernet statistic group
- Monitoring of link status, traffic, temperature and voltage
- Event log, prioritization and trap management
- User assigned names
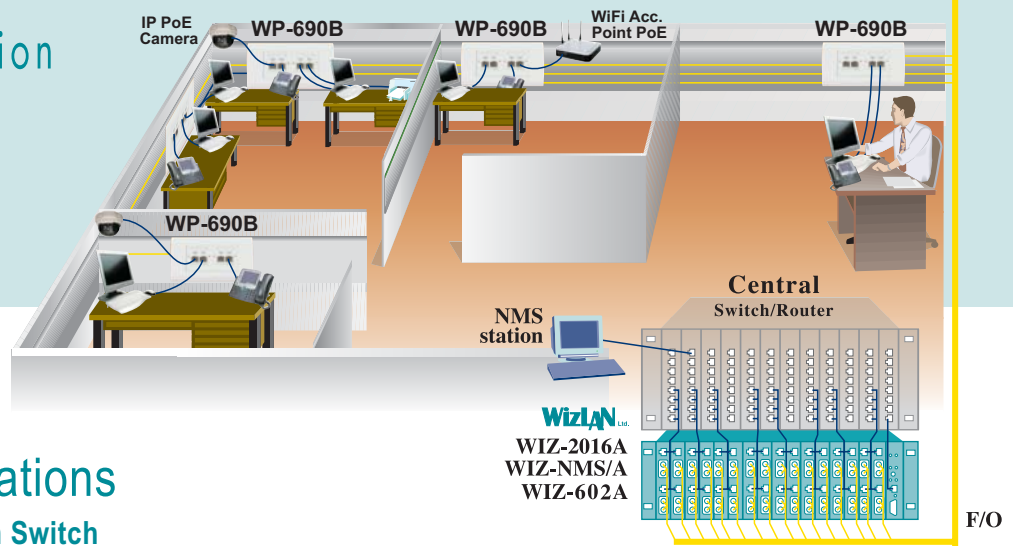- PoE management, including open/close port, remote reset and power measurement

Installation Features

- Compact design with low mounting depth
- Fast & Simple installation and operation
- Suitable for 45x90 duct/trunk system and floor tanks installations, click-in insert and remove
- Fits standard faceplates from different vendors
- Initial configuration via WizLAN Wiz-Init application, or local CLI interface
- Powering options via external wide range power supply, snap-in 45x45 duct type or in-duct desktop style, both options suitable for cable-ducts and sub-floor installations
- Remote software update capabilities, via the management, CLI, Wiz-Init and Wiz-Bulk site level remote download application

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Technical Specifications

WP-690B - 6 Port Installation Switch

5x 10/100/1000Base-T RJ45 Ports, 4x External User's ports and 1x uplink/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

Power Over LAN (PoE)
Power over LAN (PoE) supporting IEEE802.3at/af (PoE+/PoE) PDs on all four user's ports, up-to a total of 60 Watts

LED Indications
PORT[n]   - Link/Activity indication, six LEDs: User's ports 1-4, two Uplink port(s)
POWER   - Power ON indication
MNGT   - Management agent operation indication
PoE   - PoE, power provided to the port (user's ports 1,2,3,4)

Technology
High speed, non-blocking store & forward, switching performance
Shared 1Mbit frame buffer memory
Maximum frame size: 10K byte JUMBO frames
Address table: 8K MAC addresses with automatic learning and aging

Product Models
Installation: Horizontal
Power Supply options:Snap-In duct style, in-duct desktop style

IP initial setup
Wiz-Init remote application (Available from WizLAN) or CLI

Unit Dimensions

	W mm(Inc.)	H mm(Inc.)	D mm(Inc.)
With Panel/face-plate	90 (3.54")	45 (1.77")	45 (1.77")
Below panel/face-plate	80 (3.15")	40 (1.58")	36 (1.42")

SFP Uplink port supporting 1000Base-X or 100Base-FX SFP transceivers
Open SFP port, It is recommended to use WizLAN approved SFP transceivers

Special Features
Port mirroring; Spanning tree STP/RSTP and Port Fast; IGMP snooping; MAC security; 802.1x authentication, HTTPS, IPv6 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 (PoE), IEEE802.3at (PoE+)

Safety and Emission
CE, FCC Part 15, EN60950

Power Consumption
WP-690B Power Consumption: 5 Watts max. without PoE
                                              60Watts max. with PoE

Powering Options
Three external power supply options:
 1.   Snap-In 45x45 duct style - WP-690B/PS-SI
 2.   Desktop style - WP-690B/PS-DT
AC input: 90 - 264VAC 50/60Hz; DC output: 52/3.3VDC 60Watts with shield terminal.
3.   DC power Splitter - WP-690B/PS-DCS
Input 48-54VDC (PoE range), DC output 54/3.3VDC

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-690B/__ 6 port fully managed Gigabit duct switch, four user's ports 10/100/1000Base-T supporting 802.3at/af PoE, one 10/100/1000Base-T uplink/daisy-chain port and one Gigabit/100M SFP uplink port. [powering option].

SI = Snap-In 45x45 duct style PS -wide AC input, 52/3.3VDC 60W output, suitable for cable ducts and subfloor installations
DT = Desktop style PS - wide AC input, 52/3.3VDC 60W output, suitable for in cable ducts and subfloor installations
DCS = DC power Splitter - 48-54VDC input, 52/3.3VDC 60W, suitable any installations
 [   ]= No EPS (WP-690B only (without power supply).

Examples: **WP-690B/SI**   6 port fully managed Gigabit duct switch, four user's ports 10/100/1000Base-T supporting 802.3at/af PoE, one 10/100/1000Base-T uplink/daisy-chain port and one Gigabit/100M SFP uplink port. Snap-In PS.

Optional / add-on features (can be pre-installed/configured at factory) and accessories
WP-802.1x   Port based network access control - IEEE802.1x authenticator (license per WP unit).
WP-HTTPS   Secured HTTP Web access (license per WP unit).
WIZ-VIEW/B   SNMP EMS application for WizLAN devices equipped with high power management. One license per management station.
WP-690B/CLI   Special RS-232 initial configuration cable for WP product line.
WP-690B/PS-SI   External PS (spare part), Snap-In 45x45 duct style PS -wide AC input, 52/3.3VDC 60W output.
WP-690B/PS-DT   External PS (spare part), Desktop style - 52/3.3VDC 60W, suitable for in cable ducts and subfloor installations
WP-690B/PS-DCS External PS (spare part), DC power Splitter - 48-54VDC input, 52/3.3VDC 60W, suitable any installations

Rev.1.3