Uninterrupted, PoE
WizMetro

WUP-809
A Wiz-Metro Product

- Uninterrupted fully managed Telco-grade PoE switch suitable for high survivability F/O networks and services
- Internal, hot swappable, battery backup drawer with smart charging and power controller. Provides full network & access operation for 30 minutes upon main power fail (inc. PoE)
- Fiber optic 1000Base-X Gigabit backbone port (SFP) and 8x 10/100Base-T access ports with IEEE802.3af PoE support
- One isolated "dry contact" sensor input and one activation "dry contact" output
- Advanced features: VLAN (802.1Q and port based), QoS, STP/RSTP, IGMP v3 Snooping, RMON and more
- Network access control via MAC security and optional 802.1X authentication
- Remote Management via SNMP, Web and Telnet with enhanced access security and HTTPS (optional)
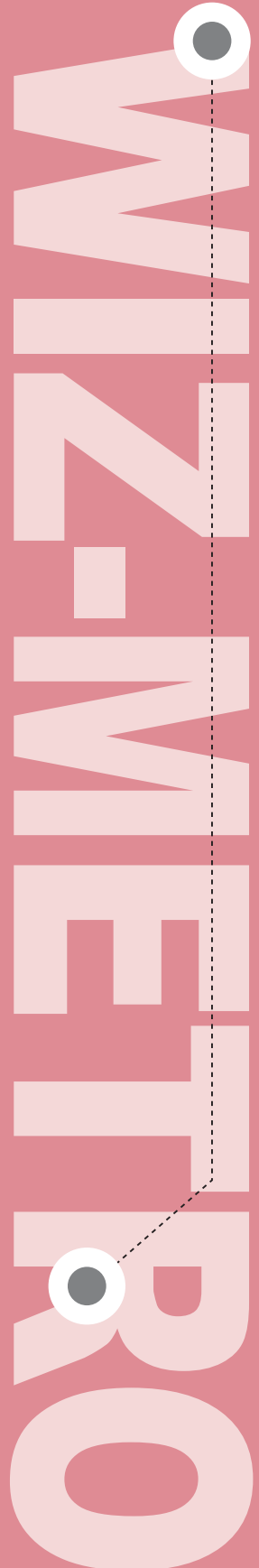- Wide range AC operation
- Desktop/shelf installation (9",1U)

WUM-809 is a fully managed uninterrupted high-end PoE switch providing eight 10/100Base-T PoE access ports on to star topology Gigabit fiber optic networks. It is specially designed for high survivability corporate/office networks and security/surveillance applications. Providing full network and PoE operation upon main power fail The WUP-809 enables to maintain complete data, voice and video network connectivity as well as lumination and sensor/alerts for at least 30 minutes of main power loss.

WUP-809 offers the options of dry contacts input/output (ready for sensors/alert services and remote activation), wide range AC power source and internal battery backup . The WUP-809 offers open SFP (Small Form Factor Pluggable) transceiver flexibility supporting multimode, singlemode, single fiber and copper links.
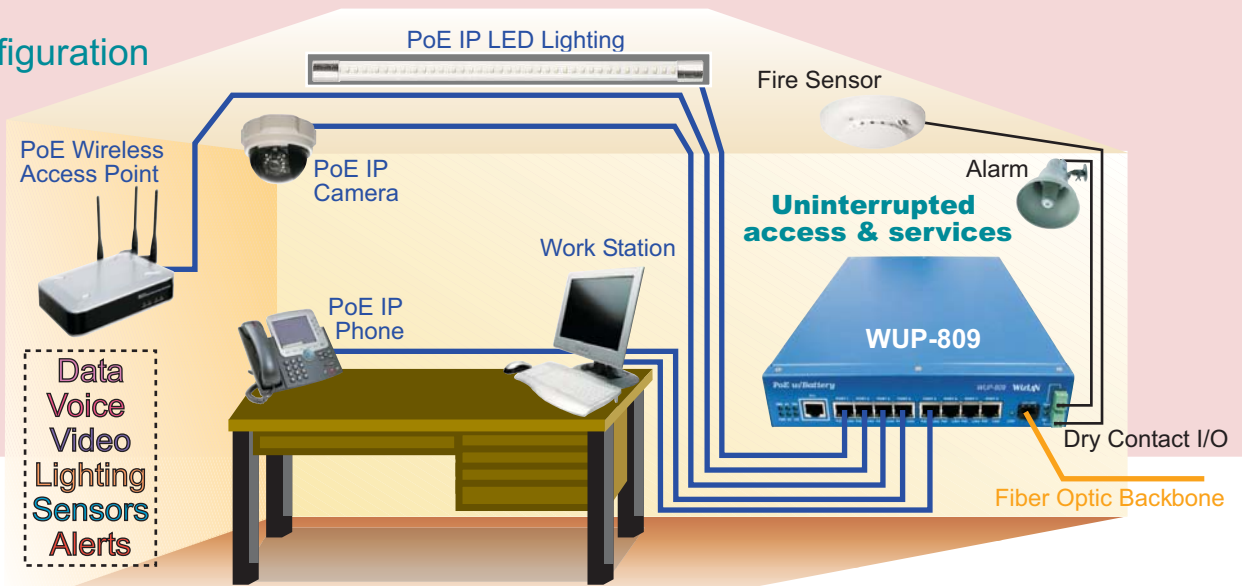
Based on state-of-the-art technology and equipped with advanced features, the WUP-809 provides enhanced access security and control features, bandwidth and quality-of-service capabilities as required for advanced data and multimedia services.

WUP-809 supports full 4096 802.1Q VLAN IDs, Quality of Service (QoS) with four traffic classes, 802.1d/w spanning tree, IGMP snooping, port mirroring, rate limit, flow control, RMON, MAC and 802.1X access control and more.

WUP-809 includes embedded SNMP agent and full capability cross platform Java Web based EMS providing secured connection for all remote managers: SNMP, Telnet and Web. The management provides control and monitoring of all switch parameters, features, functions (including PoE operation and dry contacts), hardware and environment as well as remote upgrade capabilities.

WizLAN Ltd. *Your Connectivity Partner*

WIZ-METRO

Typical Configuration

PoE IP LED Lighting

Fire Sensor

PoE Wireless
Access Point

PoE IP
Camera

Alarm

**Uninterrupted
access & services**

Work Station

PoE IP
Phone

WUP-809

Data
Voice
Video
Lighting
Sensors
Alerts

PoE w/Battery

Dry Contact I/O

Fiber Optic Backbone

Technical Specifications

WUP-809 - 9 ports Fiber Optic Uninterrupted Gigabit PoE Switch with Internal Battery Backup

1000BaseSX/LX Backbone/Uplink SFP Port:

Gigabit Fiber options:
Open SFP port for Gigabit SFP Fiber/copper standard transceiver
It is recommended to use WizLAN approved SFP transceivers

8x User's PoE Access ports:

8x 10/100BaseT RJ45 ports:
10/100BaseT/TX RJ-45 auto-MDI crossover
A/N or manual (speed HDX/FDX) Via management
100 meter (330 ft) distance over UTP/STP
802.3af PSE on all eight 10/100BaseT ports (Total of 123Watts)

Dry Contact inputs/output:

One isolated dry contact input for sensor/alert (operated by isolated 3.3VDC supplied by the WUP-809).
One isolated dry contact control output, supports 60V DC/AC peak 500mA.

LED Indications:

POWER; AC operation; DC (battery) operation; Fast/Trickle charge; NMS;
Link/Act led per port (9); PoE led per copper port (8);
Remote dry contact in/out (2)

Power:

AC input: 90-264VAC 50/60Hz, 200Watt internal PS
Backup Battery (Optional): Hot swappable battery pack (drawer) 48VDC
1100/2400mA/h
Smart automatic charger and power controller

Product Dimensions:

Width	Height	Depth	Weight
220mm(8.7")	45mm(1.77")	410mm(16.1")	4.1Kg inc. 1100mAh battery pack

Environment:

Operating Temp.: 0^0 to 40^0C (32^0 to 103^0F)
Storage: -30^0 to 70^0C (-22^0 to 158^0F)
Humidity: 10% to 90% non-condensing

Technology:

Store & forward non-blocking high-speed switching technology
Maximum frame size: 1632 bytes
Frame buffer memory: 1Mbit
Address table: 8K MAC addresses with automatic learning and aging
MNGT Agent: Embedded SNMP agent, Web server - Java Web based EMS and Telnet

Network Access Security:

Two level MAC access security
VLAN (802.1Q): full range of 4,096 VLAN IDs with tag insert/remove and double tag support
Port Based VLAN: support 64 configurable VLANs
802.1X authentication (via Radius server) - Optional

Network Access Control:

QoS: four traffic class queues IPv4 Type of Service (TOS) or Differentiated Services (Diff Serv), IPv6 traffic Class

IGMP v3 snooping, Spanning Tree 802.1d/w (RSTP/STP),
Rate limit (on ingress and/or egress), Open/close port, PoE

Management Options:

Fully manageable via SNMP, Web and Telnet

Management Access Security:

Three user access level, password protected, SNMP community string
Management VLAN assignment, IP access list (white list)
Radius authentication for Web management

Initial Configuration:

Via CLI (RJ45 port) and/or Wiz-Init application

Standard Compliance:

IEEE802.3, 802.3ab. 802.3U, 802.3x, 802.1Q, 802.1p, 802.1d/w, 802.1X
RMON: RFC2819 (supersedes 1757 and 1217) Ethernet statistic group

Safety and Emission Standards:

CE, FCC Part 15, EN60950, VCCI

Ordering Information:

WUP-809/[Opt.]   9 port uninterrupted PoE Metro/Access switch. Eight 10/100Base-T PoE (802.3af) ports, one Gigabit SFP uplink port. Dry contact I/O, Internal 200W wide range power supply. Optional hot swappable plug-in backup battery **BH** or **BL**.

Options and add-on functionalities and accessories:

Battery pack high capacity, hot swappable - plug-in for WUP-806, rechargeable 52VDC 800mAh with internal smart charger.
BPH-809   [BH]   Battery Pack High capacity, hot swappable - plug-in for WUP-809, rechargeable 48VDC 2400mAh.
BPL-809   [BL]   Battery Pack Low capacity, hot swappable - plug-in for WUP-809, rechargeable 48VDC 1100mAh.
WUP-CLI Cable   RJ45 to DB9 RS232 cable. Used for initial configuration via the CLI port.