

**Uninterrupted, PoE
WizMetro**

WUP-806

A Wiz-Metro Product

- Uninterrupted fully managed Telco-grade PoE Gigabit switch suitable for high survivability F/O networks and services
- Internal, hot swappable battery backup drawer (optional) with smart charging and power controller. Provides full network & access operation for 30 minutes upon main power fail (inc. PoE)
- Fiber optic 100/1000Base-X Gigabit backbone port (SFP) and 5x 10/100/1000Base-T access ports, four with IEEE802.3at/af PoE/PSE and one PoE/PD support
- Two isolated “dry contact” sensor inputs and two activation “dry contact” outputs (optional plug-in module), emergency flashlight
- Advanced features: VLAN (802.1Q and port based), QoS, STP/RSTP, IGMP v3 Snooping, RMON, jumbo 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)



WUP-806 is a fully managed uninterrupted high-end PoE switch providing five 10/100/1000Base-T access ports (four PoE+/PSE and one PoE/PD) on to star topology Gigabit fiber optic networks. It is specially designed for high survivability corporate/office networks, access and security/surveillance applications. Providing full network and PoE operation upon main power fail The WUP-806 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-806 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-806 offers open SFP (Small Form Factor Pluggable) transceiver flexibility supporting multimode, singlemode, single fiber and copper links.

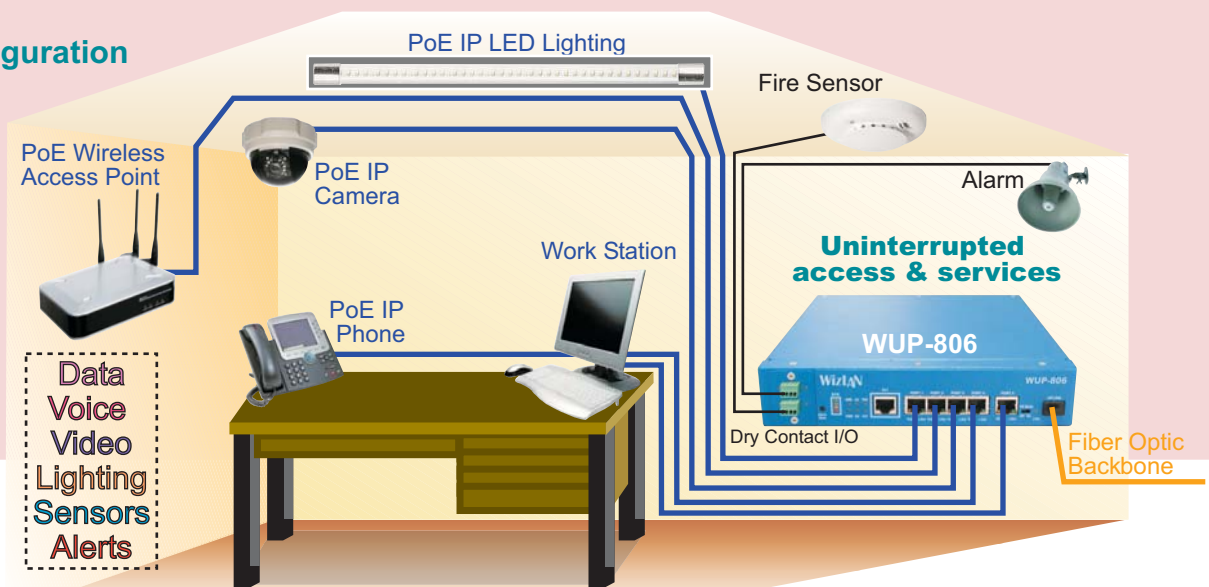
Based on state-of-the-art technology and equipped with advanced features, the WUP-806 provides enhanced access security and control features, bandwidth and quality-of-service capabilities as required for advanced data and multimedia services.

WUP-806 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-806 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.

**WIZMETRO**

Typical Configuration



Technical Specifications

WUP-806 - 6 ports Fiber Optic Uninterrupted Gigabit PoE+ Switch with Internal Battery Backup

1000BaseSX/LX or 100BaseFX Backbone/Uplink SFP Port:

Gigabit Fiber options:

Open SFP port for Gigabit/100M SFP Fiber/copper standard transceiver
It is recommended to use WizLAN approved SFP transceivers

5x User's PoE/PoE+ Access ports:

5x 10/100/1000BaseT RJ45 ports:

10/100/1000BaseT/TX RJ-45 auto-MDI crossover

A/N or manual (speed HDX/FDX) Via management

100 meter (330 ft) distance over UTP/STP

Four ports supporting 802.3at/af PSE (Total of 120Watts) and the fifth port is a 802.3at PD port (powering the device and providing 20W for PSE)

Dry Contact inputs/output (option):

Two isolated dry contact input for sensor/alert (operated by isolated 3.3VDC supplied by the WUP-806).

Two isolated dry contact control output, supports 60V DC/AC 500mA.

LED Indications:

POWER; AC operation; DC (battery) operation; FAST/TRICKLE charge; Battery charge bar; NMS; Link/Act led per port (6); PoE led per copper port (4); PD led; Remote dry contact in/out (2+2); Emergency flashlight led on battery pack.

Power:

AC input: 90-264VAC 50/60Hz, 200Watt internal PS

Backup Battery (option): Hot swappable battery pack (drawer) 52VDC 800mA/h
Smart automatic charger and power controller

Product Dimensions:

Width	Height	Depth
220mm(8.7")	45mm(1.77")	295mm(11.6")

Weight: 3.0Kg including the battery pack.

Environment:

Operating Temp.: 0° to 40°C (32° to 103°F)

Storage: -30° to 70°C (-22° to 158°F)

Humidity: 10% to 90% non-condensing

Ordering Information:

WUP-806/[options] 6 port Uninterrupted PoE Metro/Access switch. Five 10/100/1000Base-T ports, four 802.3af/at PSE and one 802.3at PD, ports and one Gigabit/100M F/O SFP uplink port. Internal 200W wide range power supply.
Options: **[B]** Hot swappable plug-in backup battery pack, **[IO]** Dry contact I/O module (two isolated inputs and two isolated outputs).

Options and add-on functionalities and accessories:

BP-806 [B] Battery pack hot swappable - plug-in for WUP-806, rechargeable 52VDC 800mAh with internal smart charger.

IO-806 [IO] Dry contact I/O module for WUP-806 including two isolated inputs and two isolated outputs.

WUP-CLI Cable RJ45 to DB9 RS232 cable. Used for initial configuration via the CLI port.

W-802.1x Port based network access control package - IEEE802.1x authenticator.

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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Rev. 1.2

Technology:

Store & forward non-blocking high-speed switching technology

Maximum frame size: 10Kbytes jumbo frames

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