

WGS-804HPT

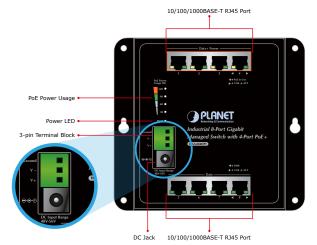
Industrial 8-Port 10/100/1000T Wall-mounted Managed Switch with 4-Port PoE+ (-40~75 degrees C)



Easily-deployed and Expanded Network

Designed to be installed in a wall enclosure or simply mounted on a wall at any convenient location, PLANET WGS-804HPT, an innovative, Industrial 8-port 10/100/1000T Wall-mounted Managed Switch with 4-Port PoE+, offers IPv6/IPv4 dual stack management, intelligent Layer 2 management functions, and user-friendly interface. The WGS-804HPT is able to operate reliably, stably and quietly in any environment without affecting its performance. With a total power budget of up to 144 watts for different kinds of PoE applications and featuring ultra networking speed and operating temperature ranging from -40 to 75 degrees C in a compact but rugged IP30 metal housing, the WGS-804HPT is an ideal solution to meeting the demand for the following network applications:

- · Building/Home automation network
- · Internet of things (IoT)
- · IP surveillance
- · Wireless LAN



Physical Port

8-Port 10/100/1000BASE-T Gigabit RJ45 copper with
 4-ort IEEE 802.3at/af PoE Injector (Port-1 to Port-4)

Power over Ethernet

- Complies with IEEE 802.3at Power over Ethernet Plus, end-span PSE
- Backward compatible with IEEE 802.3af Power over Ethernet
- Up to 4 ports of IEEE 802.3af/802.3at devices powered
- Supports PoE power up to 36 watts for each PoE port
- · Auto detects powered device (PD)
- Circuit protection prevents power interference between ports
- · Remote power feeding up to 100 meters
- PoE management
 - Total PoE power budget control
 - Per port PoE function enable/disable
 - PoE port power feeding priority
 - Per PoE port power limitation
 - PD classification detection
 - PD alive check
 - PoE schedule

Industrial Case/Installation

- Compact size, wall-mounted, magnetic wall mount and DIN-rail design
- · IP30 metal case protection
- · Supports -40 to 75 degrees C operating temperature
- Supports ESD 8KV DC Ethernet protection
- · Redundant power design
- 48V~56V DC wide power input

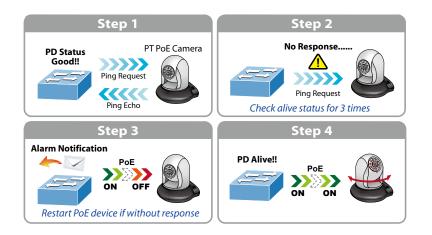
Switching

- Hardware based 10/100Mbps, half/full duplex and 1000Mbps full duplex mode, flow control and autonegotiation and auto MDI/MDI-X
- Features Store-and-Forward mode with wire-speed filtering and forwarding rates
- · IEEE 802.3x flow control for full duplex operation and



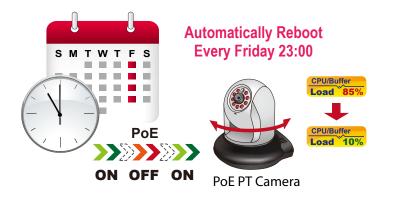
Intelligent Powered Device Alive Check

The WGS-804HPT can be configured to monitor connected PD (Powered Device) status in real time via ping action. Once the PD stops working and responding, the WGS-804HPT will resume the PoE port power and bring the PD back to work. It will greatly enhance the network reliability through the PoE port resetting the PD's power source and reducing administrator management burden.



Scheduled Power Recycling

The WGS-804HPT allows each of the connected PoE IP cameras or PoE wireless access points to reboot at a specific time each week. Therefore, it will reduce the chance of IP camera or AP crash resulting from buffer overflow.



PoE Schedule for Energy Saving

Under the trend of energy saving worldwide and contributing to environmental protection, the WGS-804HPT can effectively control the power supply besides its capability of giving high watts power. The "PoE schedule" function helps you to enable or disable PoE power feeding for each PoE port during specified time intervals and it is a powerful function to help SMBs or enterprises save power and budget. It also increases security by powering off PDs that should not be in use during non-business hours.

back pressure for half duplex operation

- · 8K MAC address table size
- 10K jumbo frame
- · Automatic address learning and address aging
- Supports CSMA/CD protocol

Layer 2 Features

- Supports VLAN
 - IEEE 802.1Q tagged VLAN
 - Provider bridging (VLAN Q-in-Q, IEEE 802.1ad) support
 - Protocol VLAN
 - Voice VLAN
 - Private VLAN (Protected port)
 - Management VLAN
 - GVRP
- Supports Spanning Tree Protocol
 - STP (Spanning Tree Protocol)
 - RSTP (Rapid Spanning Tree Protocol)
 - MSTP (Multiple Spanning Tree Protocol)
 - STP BPDU Guard, BPDU Filtering and BPDU Forwarding
- Supports Link Aggregation
 - IEEE 802.3ad Link Aggregation Control Protocol (LACP)
 - Cisco ether-channel (static trunk)
 - Maximum 4 trunk groups, up to 4 ports per trunk group
- Provides port mirror (many-to-1)
- Loop protection to avoid broadcast loops

Quality of Service

- · Ingress/Egress Rate Limit per port bandwidth control
- Traffic classification
 - IEEE 802.1p CoS
 - TOS/DSCP/IP precedence of IPv4/IPv6 packets
- Strict priority and Weighted Round Robin (WRR) CoS policies

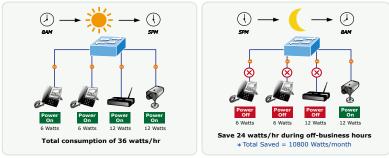
Multicast

- Supports IPv4 IGMP snooping v2, v3
- Supports IPv6 MLD snooping v1, v2
- · IGMP querier mode support
- · IGMP snooping port filtering
- MLD snooping port filtering

Security

- Storm Control support
- Broadcast/Unknown unicast/Unknown multicast
- Authentication
 - IEEE 802.1X port-based network access authentication
 - Built-in RADIUS client to co-operate with the RADIUS servers





-ODD 1000Base-T UTP with PoE

PoE Usage Monitoring and Intelligent LED Indicator for Real-time PoE Usage

Via the power usage chart in the web management interface, the WGS-804HPT enables the administrator to monitor the status of the power usage of the connected PDs in real time. Thus, it greatly enhances the management efficiency of the facilities. Moreover, the WGS-804HPT helps users to monitor the current status of PoE power usage easily and efficiently via its advanced LED indication. Called "PoE Power Usage", the front panel of the WGS-804HP has four LED indicators of different power usages.



Innovative Wall-mount Installation

The WGS-804HPT is specially designed to be installed in a narrow environment, such as wall enclosure or electric weak box. The compact, flat and wall-mounted design fits easily in any space-limited location. It adopts the user-friendly "Front Access" design, making the installing, cable wiring, LED monitoring and maintenance of the WGS-804HPT placed in an enclosure very convenient for technicians. The WGS-804HPT can be installed by fixed wall mounting, magnetic wall mounting or DIN rail, thereby making its usability more flexible.



- DHCP Option 82
- RADIUS/TACACS+ authentication
- · Access Control List
 - IPv4/IPv6 IP-based ACL
 - IPv4/IPv6 IP-based ACE
 - MAC-based ACL
 - MAC-based ACE
- MAC Security
 - Static MAC
 - MAC filtering
- · Port security for source MAC address entries filtering
- DHCP snooping to filter distrusted DHCP messages
- Dynamic ARP inspection discards ARP packets with invalid MAC address to IP address binding
- · IP source guard prevents IP spoofing attacks
- DoS attack prevention
- SSH/SSL

Management

- · IPv4 and IPv6 dual stack management
- · Switch Management Interface
 - IPv4/IPv6 Web switch management
 - Telnet Command Line Interface
 - SNMP v1, v2c, v3
 - SSH and SSL secure access
- · User privilege levels control
- · Built-in Trivial File Transfer Protocol (TFTP) client
- · Static and DHCP for IP address assignment
- System Maintenance
 - Firmware upload/download via HTTP / TFTP
 - Configuration upload/download through HTTP / TFTP
 - Hardware reset button for system reboot or reset to factory default
- SNTP Network Time Protocol
- · Cable diagnostics
- Link Layer Discovery Protocol (LLDP) Protocol and LLDP-MED
- SNMP trap for interface Link-up and Link-down notification
- · Event message logging to remote Syslog server
- Four RMON groups (history, statistics, alarms and events)
- PLANET Smart Discovery Utility



Environmentally Hardened Design

With IP30, flat but rugged metal housing protection, the WGS-804HPT provides a high level of immunity against electromagnetic interference and heavy electrical surges which are usually found on plant floors or in curb-side traffic control cabinets without air conditioner. Being able to operate under the temperature range from -40 to 75 degrees C, the WGS-804HPT can be placed in almost any difficult environment.

IPv6/IPv4 Dual Stack Management

Supporting both IPv6 and IPv4 protocols, the WGS-804HPT helps the SMBs to step in the IPv6 era with the lowest investment as its network facilities need not be replaced or overhauled if the IPv6 FTTx edge network is set up.

Robust Layer 2 Features

The WGS-804HPT can be programmed for advanced switch management functions such as dynamic port link aggregation, 802.1Q VLAN, Q-in-Q VLAN, Multiple Spanning Tree Protocol (MSTP), Loop and BPDU Guard, IGMP Snooping, and MLD Snooping. Via the link aggregation, the WGS-804HPT allows the operation of a high-speed trunk to combine with multiple ports such as a 16Gbps fat pipe, and supports fail-over as well. Also, the Link Layer Discovery Protocol (LLDP) is the Layer 2 protocol included to help discover basic information about neighboring devices on the local broadcast domain.



Efficient Traffic Control

The WGS-804HPT is loaded with robust QoS features and powerful traffic management to enhance services to business-class data, voice, and video solutions. The functionality includes broadcast/multicast/unicast storm control, per port bandwidth control, 802.1p/CoS/IP DSCP QoS priority and remarking. It guarantees the best performance in VoIP and video stream transmission, and empowers the enterprises to take full advantage of the limited network resources.

Friendly and Secure Management

For efficient management, the WGS-804HPT is equipped with web, Telnet and SNMP management interfaces. With the built-in web-based management interface, the WGS-804HPT offers an easy-to-use, platform-independent management and configuration facility. By supporting the standard SNMP, the switch can be managed via any standard management software. For text-based management, the switch can be accessed via Telnet. Moreover, the WGS-804HPT offers secure remote management by supporting SSH, SSL and SNMP v3 connections which encrypt the packet content at each session.

Advanced Network Security

PLANET WGS-804HPT offers a comprehensive IPv4/IPv6 Layer 2 to Layer 4 Access Control List (ACL) for enforcing security to the edge. Its protection mechanism also comprises 802.1X port-based user and device authentication, which can be deployed with RADIUS to ensure the port level security and block illegal users. With the protected port function, communication between edge ports can be prevented to guarantee user privacy. Furthermore, the WGS-804HPT also provides DHCP snooping, IP source guard and dynamic ARP inspection functions to prevent IP snooping from attack and discarded ARP packets with invalid MAC address. The network administrators can now construct highly-secure corporate networks with considerably less time and effort than before.

Ready to Go with IoT Generation

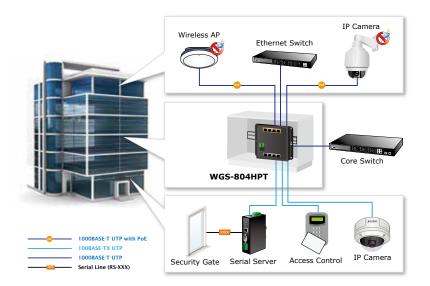
Internet is very popular the world over as users surf online daily with their mobile devices, such as smart phones, tablets, or laptop computers. However, users expect more from the convenience of Internet, like how to use their mobile devices to control something via the Internet, thus making life more convenient. The WGS-804HPT is based on such concept to help users implement the Internet of things (IoT) on the SOHO/Home network. Home automation is no longer a dream as Gigabit network can easily cloud IoT equipment, making it a smart home.



Applications

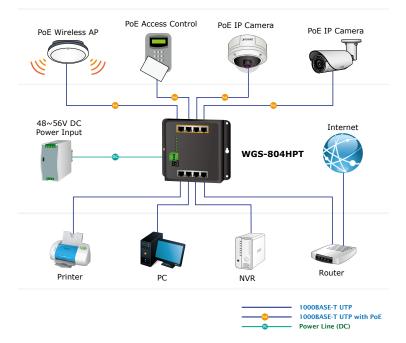
Security Building Automation Switch

Suitable for buildings where security is strictly to be enforced, the WGS-804HPT Industrial Wall-mount Managed Switch offers a comprehensive Layer 2 to Layer 4 Access Control List (ACL). The switch can restrict network access by denying packets based on source and destination IP address, TCP/UDP ports or defined typical network applications. With the WGS-804HPT, a tightly-controlled network can be easily had in no time.



Industrial Area Switch for Data Collection and Forwarding

The WGS-804HPT is equipped with 8 10/100/1000Mbps ports offering auto MDI/MDIX feature providing 16Gbps non-blocking switch fabric and the 8K MAC address table so that the WGS-804HPT can perform wire-speed packets transfer without the risk of packet loss. The WGS-804HPT with the slim-type IP30 metal case is ideal for most heavy industrial demanding environments.





Specifications

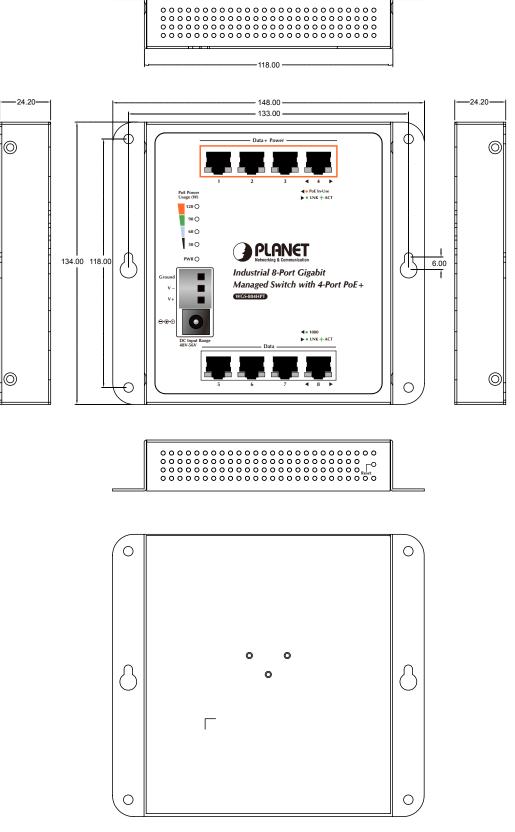
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Model	WGS-804HPT
Hardware Specifications	
Copper Ports	8-Port 10/100/1000BASE-T RJ45 auto-MDI/MDI-X ports
PoE Inject Port	4-Port with 802.3af / 802.3at PoE injector function (Port-1 to Port-4)
Switch Architecture	Store-and-Forward
Switch Fabric	16Gbps/non-blocking
Switch Throughput@64 bytes	11.9Mpps @64 bytes
MAC Address Table	8K entries
Shared Data Buffer	4.1 megabits
Flow Control	IEEE 802.3x pause frame for full-duplex Back pressure for half-duplex
Jumbo Frame	10KB
Reset Button	< 5 sec: System reboot > 5 sec: Factory default
LED	Power LED: Power (Green) PoE Power Usage LED: 30W, 60W, 90W, 120W (Green) PoE Port(Port-1 to Port-4): PoE-in-Use (Orange) LNK/ACT (Green) 10/100/1000BASE-TX Port (Port-5 to Port-8): 1000 (Green) LNK/ACT (Green)
Connector	 Removable 3-pin terminal block for power input Pin 1/2 for Power (Pin 1: V+ / Pin 2: V-) Pin 3 for earth ground DC power jack with 2.0mm central pole
Power Requirements	48~56V DC, 3A (max.)
Power Consumption/ Dissipation	Max. 152 watts/519 BTU
Dimensions (W x D x H)	148 x 25 x 134 mm
Weight	532g
ESD Protection	Contact Discharge 4KV DC Air Discharge 8KV DC
Enclosure	Metal
Installation	Wall mount, magnetic wall mount and DIN-rail kit
Power over Ethernet	
PoE Standard	IEEE 802.3af / 802.3at Power over Ethernet PSE
PoE Power Supply Type	End-span
PoE Power Output	IEEE 802.3af Standard - Per port 48V~56V DC (depending on the power supply), max. 15.4 watts IEEE 802.3at Standard - Per port 50V~56V DC (depending on the power supply), max. 36 watts
Power Pin Assignment	1/2(+), 3/6(-)
PoE Power Budget	144 watts (depending on power input)
Max. Number of Class 2 PDs	4
Max. Number of Class 3 PDs	4
Max. Number of Class 4 PDs	4
Layer 2 Functions	
Port Mirroring	TX/RX/Both Many-to-1 monitor
VLAN	802.1Q tagged-based VLAN Up to 256 VLAN groups, out of 4094 VLAN IDs 802.1ad Q-in-Q tunneling (VLAN stacking) Voice VLAN Protocol VLAN Private VLAN (Protected port) GVRP Management VLAN
Link Aggregation	IEEE 802.3ad LACP and static trunk Supports 4 groups with 4 ports per trunk
Spanning Tree Protocol	STP, IEEE 802.1D Spanning Tree Protocol RSTP, IEEE 802.1w Rapid Spanning Tree Protocol MSTP, IEEE 802.1s Multiple Spanning Tree Protocol STP BPDU Guard, BPDU Filtering and BPDU Forwarding
IGMP Snooping	IPv4 IGMP (v2/v3) snooping IGMP querier Up to 256 multicast groups



MLD Encogning IPM MLD (Viv2) ancogning, up to 266 multicate proups Access Control List IPM/UV2 IPLaseed ACAAC-based ACAE OeS Encogning List De liver profit y queues OeS Encogning List De liver profit y queues For Number - Poil Number The Control List De liver profit y queues - Poil Number For Number - Poil Number Security Encogning De liver profit y queues Security Encogning De liver profit y queues <th></th> <th></th>		
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OGS - For Number OGS - Exproprive - Exproprive - Exproprive - Exproprive - Exproprive - Exproprive - Exproprive - Exproprive - Expression Comparison Security EEE 802.7 K port-based submittediation Base And Distance - Expression EEE 802.7 K port-based - EXPROPRIATE - PAGC port binding - EXPROPRIATE - EXP	Access Control List	
Security Built-IN FADULS of ent to co-perate with FADULS server RADUS/TACAS's automication by State MCK tenning State MCK tenning State MCK decreas DVCP rencompand DPOU forwarding DVCP rencompand DVCP rencompand DPOU forwarding DVCP rencompand DVCP rencompand DPOU forwarding DVCP rencompand DVCP rencomp	QoS	 Port Number 802.1p priority DSCP/IP precedence of IPv4/IPv6 packets Traffic classification based, strict priority and WRR
Basic Management Interfaces Web browser Transet/SNNP v1 v2s v3 Gringuration upload/download through HTTP/TFT Protocol through Ethernet network Configuration upload/download through HTTP/TFT Protocol Lip Drotocol System log Ether Protocol PL/NET Smart Discovery Utility Secure Management Interfaces SSH, SNNP v3 RFC 1213 MIB-I RFC 1233 MIB-I RFC 123 MIB-I RFC	Security	Built-in RADIUS client to co-operate with RADIUS server RADIUS/TACACS+ authentication IP-MAC port binding MAC filtering Static MAC address DHCP snooping and DHCP Option82 STP BPDU guard, BPDU filtering and BPDU forwarding DoS attack prevention ARP inspection IP source guard Storm control support
Basic Management Interfaces Firmware upgrade by HTTP/TFTP protocol through HTTP/TFTP Basic Management Interfaces Sinter Sint	Management Functions	
SNMP MiBs RFC 1213 MiB-II RFC 1215 Genetic Traps RFC 2727 Entity MiB / tensions RFC 2737 Entity MiB / tensions RFC 2737 Entity MiB / tensions RFC 2335 Interface Group MiB RFC 2335 Interface Group MiB RF	Basic Management Interfaces	Firmware upgrade by HTTP/TFTP protocol through Ethernet network Configuration upload/download through HTTP/TFTP Remote/Local Syslog System log LLDP protocol SNTP
SNMP MIBs RFC 1215 Generic Traps RFC 1435 BMCN (1, 2, 3, 9) RFC 2473 Bridge MIB Extensions RFC 2419 RMCN (1, 2, 3, 9) RFC 2419 RMCN (1, 2, 3, 9) RFC 2419 RMCN (1, 2, 3, 9) RFC 2419 RMCN (1, 2, 3, 9) RFC 2419 RMCN (1, 2, 3, 9) RFC 2419 RMCN (1, 2, 3, 9) RFC 2419 RMCN (1, 2, 3, 9) RFC 2419 RMCN (1, 2, 3, 9) RFC 2425 Internet-like MIB RFC 2425 Internet-like MIB Stability Testing FCC 9115 Class A, CE Stability Testing FCC 9088-2-32 (free fail) FEE 802 3 (space) FEE 802 3 (space) FEE 802 3 (space) FEE 802 3 (space) FEE 802 3 (space) Stability Testing FEE 802 3 (space) FEE 802 3 (space) FEE 802 3 (space)	Secure Management Interfaces	SSH, SSL, SNMP v3
Regulatory Compliance FCC Part 15 Class A, CE Stability Testing IEC 60068-232 (free fail) IEC 60068-247 (shock) IEC 60068-26 (shoration) IEEE 802.3 100BASE-T IEEE 802.3 100BASE-T IEEE 802.3 100BASE-TX/I00BASE-FX IEEE 802.3 100BASE-T IEEE 802.3 100BASE-TX/I00BASE-T IEEE 802.3 100BASE-T IEEE 802.3 00BASE-TX/I00BASE-T IEEE 802.3 00BASE-T IEEE 802.3 00Base-TO INDOBASE-T IEEE 802.3 00Base-T IEEE 802.3 00Base-TO INDOBASE-T IEEE 802.3 00Base-TO INDOBASE-T IEEE 802.3 00Base-TO INDOBASE-T IEEE 802.3 00Base-TO INDOBASE-T IEEE 802.3 00Base-TO INDOBASE-T IEEE 802.3 00Base-TO INDOBASE-T IEEE 802.1 We Control and Back Pressure IEEE 802.1 We Control and Back Pressure IEEE 802.1 We Raid Spanning Tree Protocol IEEE 802.1 We Raid Spanning Tree Protocol IEEE 802.1 S VILLAN Tagging IEEE 802.1 S VOLLAN Tagging IEEE 802.1 S OLIDP RC 733 TFTP RC 733 ICE NPT RC 733 ICE NPT RC 733 ICM PV I RC 733 ICM PV I RC 733 ICM PV I RC 733 ICM PV I RC 733 ICM PV I RC 733 ICM PV I RC 737 ICM DU I RC 737 ICM PV I RC 737 ICM DU I	SNMP MIBs	RFC 1215 Generic Traps RFC 1493 Bridge MIB RFC 2674 Bridge MIB Extensions RFC 2737 Entity MIB (version 2) RFC 2819 RMON (1, 2, 3, 9) RFC 2863 Interface Group MIB
Stability Testing IEC 60068-2-32 (free fail) IEC 60068-2-6 (vibration) IEC 80068-2-6 (vibration) IEC 80068-2-6 (vibration) IEC 80068-2-6 (vibration) IEC 80068-2-6 (vibration) IEE 802.3 u 1008ASE-T IEEE 802.3 u 1008ASE-TX/1008ASE-TX IEEE 802.3 ab Gigabit SVLX IEEE 802.3 ab Gigabit 1000BASE-T IEEE 802.3 ab Gigabit 1000BASE-T IEEE 802.3 ab Gigabit 1000BASE-T IEEE 802.1 D Spanning Tree Protocol IEEE 802.1 N Rapid Spanning Tree Protocol IEEE 802.1 N Rapid Spanning Tree Protocol IEEE 802.1 Vacas of Service IEEE 802.1 Shuttipte Spanning Tree Protocol IEEE 802.1 Vacas of Service IEEE 802.1 A Cont Authentication Network Control IEEE 802.1 Vacas of Service RC 733 TFP RC 733 TFP RC 733 ICMP v3 RC 733 ICMP v3 RC 733 ICMP v3 RC 733 ICMP v3 RC 2010 MLD v1 RC 733 ICMP v3 RC 2010 MLD v1 RC 735 (ICMP v3 RC 2010 MLD v1 RC 735 (ICMP v3 RC 735 ICMP v3 RC 735 (ICMP v3 RC	Standards Conformance	
Stability Testing IEC 60068-2-2 (shock) IEC 60068-2-6 (vhration) IEEE 802.3 10BASE-T IEEE 802.3 10BASE-TX/10BASE-FX IEEE 802.3 10BASE-TX/10BASE-FX IEEE 802.3 10BASE-TX/10BASE-FX IEEE 802.3 10BASE-TX/10BASE-FX IEEE 802.3 st Gigabit 1000BASE-T IEEE 802.3 A Flow Control and Back Pressure IEEE 802.3 A Flow Control and Back Pressure IEEE 802.1 Spanning Tree Protocol IEEE 802.1 Supaning Tree Protocol	Regulatory Compliance	FCC Part 15 Class A, CE
IEEE 802.3 u 100BASE-TX/100BASE-FXIEEE 802.3 ab Gigabit 1000BASE-TXIEEE 802.3 ab Gigabit 1000BASE-TIEEE 802.1 b Spanning Tree ProtocolIEEE 802.1 b Multiple Spanning Tree ProtocolIEEE 802.1 v LAN TaggingIEEE 802.1 v Port Authentication Network ControlIEEE 802.2 GIGMP v2Rrc 783 IEPPRrc 783 IGMP v3Rrc 2336 IGMP v2Rrc 2336 IGMP v3Rrc 2336 IGMP v3Rrc 2336 IGMP v3Rrc 2336 IGMP v3Rrc 3376 IDMP v1Rrc 2336 IGMP v3Rrc 3310 MLD v2EnvironmentOperatingStorageAccessoriesStandard AccessoriesStandard AccessoriesStandard AccessoriesVali-mounted KIt x 1Vali-mounted KIt x 1	Stability Testing	IEC 60068-2-27 (shock)
Operating Temperature: -40 ~ 75 degrees C Relative Humidity: 5 ~ 95% (non-condensing) Storage Temperature: -40 ~ 85 degrees C Relative Humidity: 5 ~ 95% (non-condensing) Accessories • Quick Installation Guide x 1 • 3-pin Terminal Block Connector x 1 • Wall-mounted Kit x 1 • DIN-rail Kit x 1		IEEE 802.3u 100BASE-TX/100BASE-FX IEEE 802.3z Gigabit SX/LX IEEE 802.3a Gigabit 1000BASE-T IEEE 802.3a Flow Control and Back Pressure IEEE 802.3ad Port Trunk with LACP IEEE 802.1D Spanning Tree Protocol IEEE 802.1w Rapid Spanning Tree Protocol IEEE 802.1w Rapid Spanning Tree Protocol IEEE 802.1b Class of Service IEEE 802.1c VLAN Tagging IEEE 802.1c VLAN Tagging IEEE 802.1ab LLDP RFC 768 UDP RFC 793 TFTP RFC 793 IFTP RFC 792 ICMP RFC 792 ICMP RFC 2068 HTTP RFC 2236 IGMP v2 RFC 3376 IGMP v3 RFC 2710 MLD v1
Operating Relative Humidity: 5 ~ 95% (non-condensing) Storage Temperature: -40 ~ 85 degrees C Relative Humidity: 5 ~ 95% (non-condensing) Accessories • Quick Installation Guide x 1 • 3-pin Terminal Block Connector x 1 • Wall-mounted Kit x 1 • Magnet Kit x 1	Environment	
Storage Relative Humidity: 5 ~ 95% (non-condensing) Accessories • Quick Installation Guide x 1 · 3-pin Terminal Block Connector x 1 · Wall-mounted Kit x 1 · DIN-rail Kit x 1 · Magnet Kit x 1	Operating	Relative Humidity: 5 ~ 95% (non-condensing)
• Quick Installation Guide x 1 • 3-pin Terminal Block Connector x 1 • Wall-mounted Kit x 1 • DIN-rail Kit x 1 • Magnet Kit x 1	Storage	
Standard Accessories • 3-pin Terminal Block Connector x 1 • Wall-mounted Kit x 1 • DIN-rail Kit x 1 • Magnet Kit x 1	Accessories	
	Standard Accessories	 3-pin Terminal Block Connector x 1 Wall-mounted Kit x 1 DIN-rail Kit x 1 Magnet Kit x 1



Drawing



Dimensions (unit = mm)



Ordering Information

WGS-804HPT	Industrial 8-Port 10/100/1000T Wall-mounted Managed Switch with 4-Port PoE+ (-40~75 degrees C)
Accessories	
PWR-120-48	120W 48V DC Single Output Industrial DIN-rail Power Supply (-10 ~ 60 degrees C)
PWR-240-48	240W 48V DC Single Output Industrial DIN-rail Power Supply (-10 ~ 60 degrees C)

480W 48V DC Single Output Industrial DIN-rail Power Supply (-25 ~ 70 degrees C)

Related Products

PWR-480-48

WGS-4215-8T	Industrial 8-Port 10/100/1000T Wall-mounted Managed Switch (-40~75 degrees C)
WGS-803	Industrial 8-Port 10/100/1000T Wall-mounted Gigabit Ethernet Switch (-10~60 degrees C)
WGS-804HP	Industrial 8-Port 10/100/1000T Wall-mounted Gigabit Ethernet Switch with 4-Port PoE+ (-10~60 degrees C)

Available Modules

MGB-GT	SFP-Port 1000BASE-T module
MGB-SX	SFP-Port 1000BASE-SX mini-GBIC module - 220/550m
MGB-LX	SFP-Port 1000BASE-LX mini-GBIC module - 10km
MGB-L30	SFP-Port 1000BASE-LX mini-GBIC module - 30km
MGB-L50	SFP-Port 1000BASE-LX mini-GBIC module - 50km
MGB-L70	SFP-Port 1000BASE-LX mini-GBIC module - 70km
MGB-L120	SFP-Port 1000BASE-LX mini-GBIC module - 120km
MGB-LA10	SFP-Port 1000BASE-LX (WDM,TX:1310nm) mini-GBIC module - 10km
MGB-LB10	SFP-Port 1000BASE-LX (WDM,TX:1550nm) mini-GBIC module - 10km
MGB-LA20	SFP-Port 1000BASE-LX (WDM,TX:1310nm) mini-GBIC module - 20km
MGB-LB20	SFP-Port 1000BASE-LX (WDM,TX:1550nm) mini-GBIC module - 20km
MGB-LA40	SFP-Port 1000BASE-LX (WDM,TX:1310nm) mini-GBIC module - 40km
MGB-LB40	SFP-Port 1000BASE-LX (WDM,TX:1550nm) mini-GBIC module - 40km

Available 100Mbps Modules

MFB-FX	SFP-Port 100BASE-FX Transceiver (1310nm) - 2km
MFB-F20	SFP-Port 100BASE-FX Transceiver (1310nm) - 20km
MFB-F40	SFP-Port 100BASE-FX Transceiver (1310nm) - 40km
MFB-F60	SFP-Port 100BASE-FX Transceiver (1310nm) - 60km
MFB-FA20	SFP-Port 100BASE-BX Transceiver (WDM,TX:1310nm) - 20km
MFB-FB20	SFP-Port 100BASE-BX Transceiver (WDM,TX:1550nm) - 20km



