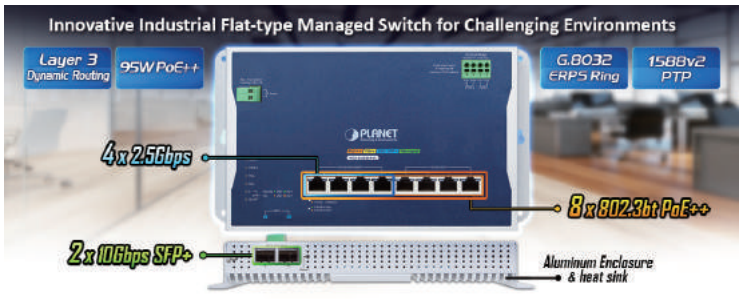
Industrial L3 4-Port 2.5G 802.3bt PoE + 4-Port 10/100/1000T 802.3bt PoE + 2-Port 10G SFP+ Wall-mount Managed Switch

Wall-mounted PoE++ Managed Switch with Advanced L3 Switching and Security

PLANET WGS-6325-8UP2X is an Industrial Wall-mount PoE++ Managed Switch featuring PLANET **intelligent PoE** functions to improve the availability of industrial applications. It provides IPv6/IPv4 dual stack management and offers a versatile mix of ports, including **four 10/100/1000/2500BASE-T** and **four 10/100/1000BASE-T** ports. What sets it apart is the 95-watt PoE capability on these ports delivers ample power to various PoE applications. For connecting to a wider network infrastructure, this switch features **two** additional **1G/2.5G/10GBASE-X SFP+** ports, ensuring high-speed data transmission and seamless connectivity. With a total power budget of up to 480 watts for different kinds of PoE applications, and featuring fast performance and operating temperature ranging from **-40** to **75 degrees C** in a compact but rugged IP30 metal housing, the **WGS-6325-8UP2X** is an ideal solution to meet the demand for the following network applications:



802.3bt PoE++ – 90~95-watt Power over 4-pair UTP Solution

As the WGS-6325-8UP2X adopts the IEEE 802.bt PoE++ standard, it is capable to source up to 95 watts of power by using all the four pairs of standard Cat5e/6 Ethernet cabling to deliver power and full-speed data to each remote PoE compliant powered device (PD). It possesses triple amount of power capability than the conventional 802.3at PoE+ and is an ideal solution to satisfy the growing demand for higher power consuming network PDs, such as:

- PoE PTZ speed dome cameras
- Any network device that needs higher PoE power to work normally
- Thin clients
- AIO (all-in-one) touch PCs, point of sale (POS) and information kiosks
- Remote digital signage displays
- PoE lightings

Physical Port

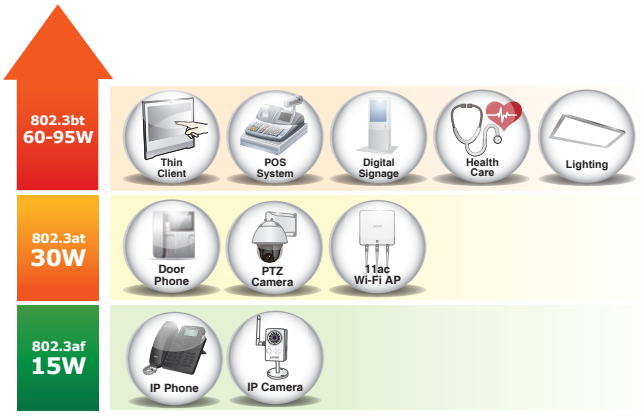
- **4 10/100/1000/2500BASE-T** and **4 10/100/1000BASE-T** Gigabit Ethernet RJ45 ports with IEEE 802.3bt PoE++ Injector function
- **2 1G/2.5G/10GBASE-X SFP+** slots for SFP type auto detection

Industrial Case and Installation

- IP30 aluminum case
- Supports -40 to 75 degrees C operating temperature
- Supports ESD 6KV DC Ethernet protection
- Dual power input design
  - 48V~54V DC wide power input with reverse polarity protection
- Compact size with fixed wall-mounted design

Power over Ethernet

- Complies with IEEE 802.3bt Power over Ethernet Plus Plus PSE
- Backward compatible with 802.3at PoE+ end-span or mid-span PSE
- Up to 8 IEEE 802.3af/802.3at/802.3bt devices powered
- Supports PoE power up to 95 watts for each PoE port
- Auto detects powered device (PD)
- Circuit protection prevents power interference between ports
- Remote power feeding up to 100m
- PoE management features
  - Total PoE power budget control
  - Per port PoE function enable/disable
  - PoE admin-mode control
  - PoE port power feeding priority
  - Per PoE port power limit
  - PD classification detection
  - Sequence port PoE
  - PoE extend mode control to support power feeding up to a distance of up to 160 meters
  - Auto maximum PoE budget control by power input detection
- Intelligent PoE features
  - PoE usage threshold control



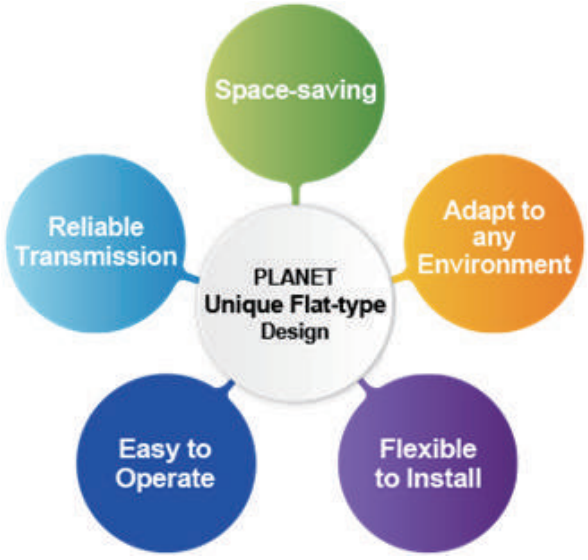
802.3bt PoE++ and Advanced PoE Power Output Mode Management

To meet the demand of various powered devices consuming stable PoE power, the WGS-6325-8UP2X provides five different PoE power output modes for selection.

- **95W 802.3bt PoE++ Power Output Mode**
- **30W End-span PoE Power Output Mode**
- **30W Mid-span PoE Power Output Mode**
- **95W Force Power Output Mode**

Innovative Wall-mount Installation

The WGS-6325-8UP2X is specially designed to be installed in a narrow environment, such as wall enclosure or electric box. The compact, flat and wall-mounted design fits easily in any space-limited location. The WGS-6325-8UP2X can be installed by fixed wall mounting, thereby making its usability more flexible.



Redundant Ring, Fast Recovery for Critical Network Applications

The WGS-6325-8UP2X supports redundant ring technology and features strong, rapid self-recovery capability to prevent interruptions and external intrusions. It incorporates advanced **ITU-T G.8032 ERPS (Ethernet Ring Protection Switching)** technology, Spanning Tree Protocol (802.1s MSTP), and **dual power** input system into customer's industrial automation network to enhance system reliability and uptime in harsh factory environments. In a certain simple ring network, the recovery time of data link can be as fast as 10ms.

  - PD alive check
  - PoE schedule

Industrial Protocol

- Modbus TCP for real-time monitoring in SCADA system
- IEEE 1588v2 PTP (Precision Time Protocol) transparent clock mode

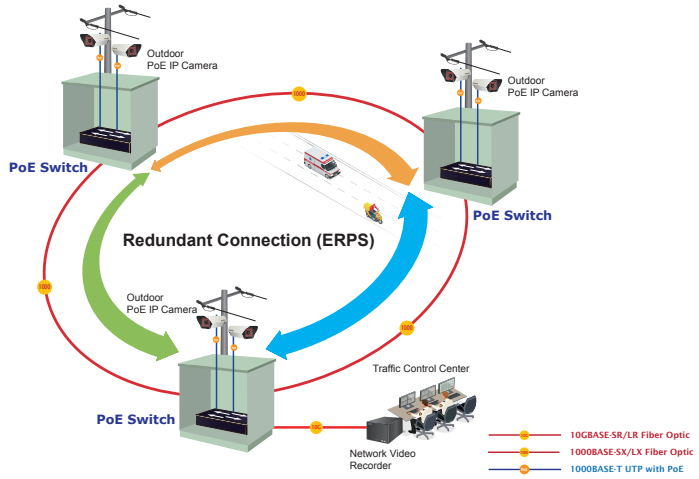
Layer 3 IP Routing Features

- IPv4 dynamic routing protocol supports RIPv2 and OSPFv2.
- IPv6 dynamic routing protocol supports OSPFv3.
- IPv4/IPv6 hardware static routing
- Supports maximum 32 static routes and route summarization
- Routing interface provides per VLAN routing mode

Layer 2 Features

- Storm Control support
  - Broadcast/Multicast/Unicast
- Supports **VLAN**
  - IEEE 802.1Q tagged VLAN
  - Provider Bridging (VLAN Q-in-Q) support (IEEE 802.1ad)
  - Private VLAN Edge (PVE)
  - Protocol-based VLAN
  - MAC-based VLAN
  - Voice VLAN
  - GVRP (GARP VLAN Registration Protocol)
- Supports **Spanning Tree Protocol**
  - IEEE 802.1D Spanning Tree Protocol (STP)
  - IEEE 802.1w Rapid Spanning Tree Protocol (RSTP)
  - IEEE 802.1s Multiple Spanning Tree Protocol (MSTP), spanning tree by VLAN
  - BPDU Guard/BPDU Filtering
- Supports **Link Aggregation**
  - 802.3ad Link Aggregation Control Protocol (LACP)
  - Cisco ether-channel (static trunk)
  - Maximum 5 trunk groups with 10 ports per trunk group
  - Up to 10Gbps bandwidth (duplex mode)
- Provides port mirror (many-to-1)
- Port mirroring to monitor the incoming or outgoing traffic on a particular port
- Loop protection to avoid broadcast loops
- Supports ERPS (Ethernet Ring Protection Switching)
- Compatible with Cisco Uni-directional link detection (UDLD) that monitors a link between two switches and blocks the

ERPS Ring for Video Transmission Redundancy



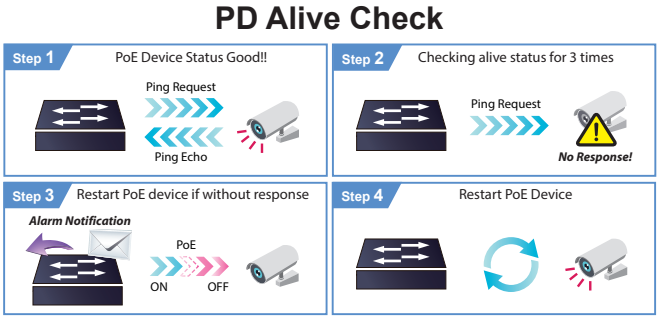
Built-in Unique PoE Functions for Powered Devices Management

As it is the managed PoE switch for surveillance, wireless and VoIP networks, the WGS-6325-8UP2X features the following special PoE management functions:

- PD alive check
- Scheduled power recycling
- PoE schedule
- PoE usage monitoring

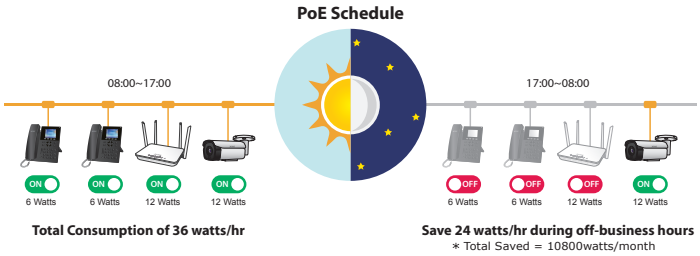
Intelligent Powered Device Alive Check

The WGS-6325-8UP2X can be configured to monitor connected PD status in real time via ping action. Once the PD stops working and responding, the WGS-6325-8UP2X 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-6325-8UP2X 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.



ports on both ends of the link if the link fails at any point between the two devices

- Link Layer Discovery Protocol (LLDP)

Quality of Service

- Ingress Shaper and Egress Rate Limit per port bandwidth control
- 8 priority queues on all switch ports
- Traffic classification
  - IEEE 802.1p CoS
  - IP TOS/DSCP/IP precedence
  - IP TCP/UDP port number
  - Typical network application
- Strict priority and Weighted Round Robin (WRR) CoS policies
- Supports QoS and In/Out bandwidth control on each port
- Traffic-policing on the switch port
- DSCP remarking

Multicast

- Supports IPv4 IGMP Snooping v1, v2 and v3
- Supports IPv6 MLD Snooping v1 and v2
- Querier mode support
- IPv4 IGMP Snooping port filtering
- IPv6 MLD Snooping port filtering
- MVR (Multicast VLAN Registration)

Security

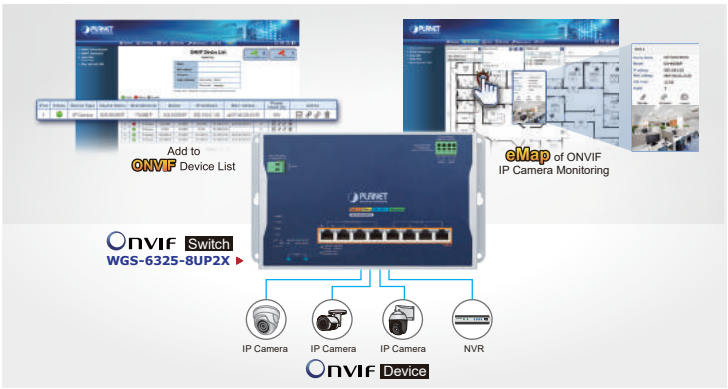
- Authentication
  - IEEE 802.1x Port-based / MAC-based network access authentication
  - Built-in RADIUS client to cooperate with the RADIUS servers
  - TACACS+ login users access authentication
  - RADIUS/TACACS+ users access authentication
  - Guest VLAN assigns clients to a restricted VLAN with limited services
- Access Control List
  - IP-based Access Control List (ACL)
  - MAC-based Access Control List
- Source MAC / IP address binding
- DHCP Snooping to filter un-trusted DHCP messages
- Dynamic ARP Inspection discards ARP packets with invalid MAC address to IP address binding

PoE Schedule for Energy Savings

Under the trend of energy savings worldwide and contributing to environmental protection, the WGS-6325-8UP2X 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.

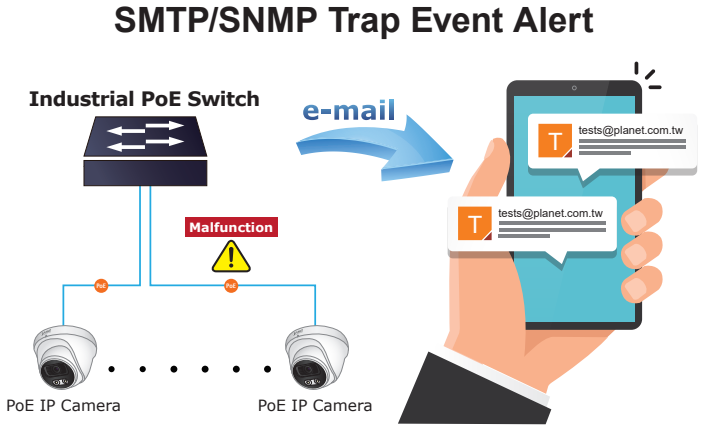
Convenient and Smart ONVIF Devices with Detection Feature

PLANET has newly developed an awesome feature -- ONVIF Support -- which is specifically designed for co-operating with video IP surveillances. From the WGS-6325-8UP2X's GUI, you just need one click to search and show all of the ONVIF devices via network application. In addition, you can upload floor images to the switch and can remotely monitor or inspect an assembly line. Moreover, you can get real-time surveillance information and online/offline status; the PoE reboot can be controlled from the GUI.



SMTP/SNMP Trap Event Alert

The WGS-6325-8UP2X provides event alert function to help to diagnose the abnormal device owing to whether or not there is a break of the network connection, or the rebooting response.



- IP Source Guard prevents IP spoofing attacks
- Auto DoS rule to defend DoS attack
- IP address access management to prevent unauthorized intruder

Management

- IPv4 and IPv6 dual stack management
- Switch Management Interfaces
  - Telnet Command Line Interface
  - Web switch management
  - SNMP v1, v2c, and v3 switch management
  - SSHv2 and TLSv1.2 secure access
- SNMP Management
  - Four RMON groups (history, statistics, alarms, and events)
  - SNMP trap for interface Link Up and Link Down notification
- **IPv6** IP address/NTP/DNS management
- Built-in Trivial File Transfer Protocol (TFTP) client
- BOOTP and DHCP for IP address assignment
- System Maintenance
  - Firmware upload/download via HTTP/TFTP
  - Reset button for system reboot or reset to factory default
  - Dual Images
- DHCP Relay and DHCP Option 82
- DHCP Server
- User Privilege levels control
- Network Time Protocol (NTP)
- Network Diagnositc
  - ICMPv6/ICMPv4 Remote Ping
  - Cable diagnostic technology provides the mechanism to detect and report potential cabling issues
  - SFP-DDM (Digital Diagnostic Monitor)
- SMTP, Syslog and SNMP trap remote alarm
- System Log
- PLANET UNI-NMS (Universal Network Management) and Smart Discovery Utility for deployment management
- Provides ONVIF for co-operating with PLANET video IP surveillances

Layer 3 IPv4 and IPv6 Software VLAN Routing for Secure and Flexible Management

To help customers stay on top of their businesses, the WGS-6325-8UP2X not only provides ultra high transmission performance and excellent Layer 2 technologies, but also IPv4/IPv6 software VLAN routing feature which allows to cross over different VLANs and different IP addresses for the purpose of having a highly-secure, flexible management and simpler networking application.

Robust Layer 2 Features

The WGS-6325-8UP2X can be programmed for advanced switch management functions such as dynamic port link aggregation, Q-in-Q VLAN, private VLAN, Rapid Spanning Tree Protocol, Layer 2 to Layer 4 QoS, bandwidth control and IGMP snooping. The WGS-6325-8UP2X provides 802.1Q tagged VLAN, and the VLAN groups allowed will be maximally up to 2K. Via aggregation of supporting ports, the WGS-6325-8UP2X allows the operation of a high-speed trunk combining multiple ports. It enables a maximum of up to 2 trunk groups with 2 ports per trunk group, and supports fail-over as well.

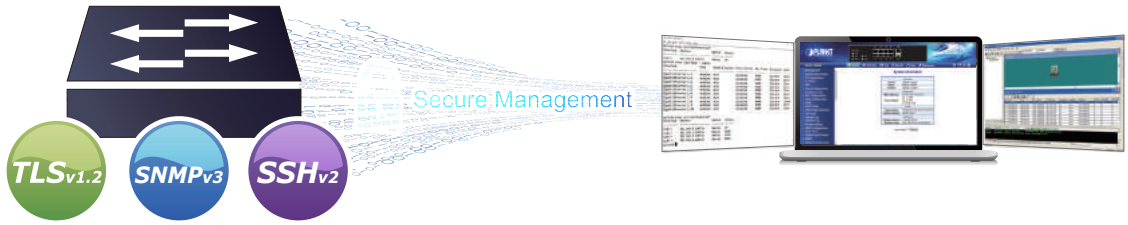
Network with Cybersecurity Helps Minimize Security Risks

The WGS-6325-8UP2X comes with enhanced cybersecurity to fend off cyberthreats and cyberattacks. It supports SSHv2 and TLSv1.2 protocols to provide strong protection against advanced threats. Served as a key point to transmit data to customer's critical equipment in a business network, the cybersecurity feature of the WGS-6325-8UP2X protects the switch management and enhances the security of the mission-critical network without any extra deployment cost and effort.

Efficient Management

For efficient management, the WGS-6325-8UP2X is equipped with Command line, Web and SNMP management interfaces.

- With the built-in **Web-based** management interface, the WGS-6325-8UP2X offers an easy-to-use, platform-independent management and configuration facility.
- For **text-based** management, it can be accessed via Telnet and SSHv2 protocol.
- For standard-based monitor and management software, it offers SNMPv3 connection which encrypts the packet content at each session for secure remote management.



Powerful Security from Layer 2 to Layer 4

The WGS-6325-8UP2X offers comprehensive Layer 2 to Layer 4 **Access Control List (ACL)** for enforcing security to the edge. It can be used to restrict network access by denying packets based on source and destination IP address, TCP/UDP ports or defined typical network applications. Its protection mechanism also comprises **802.1X Port-based** and **MAC-based** user and device authentication. With the **private VLAN** function, communication between edge ports can be prevented to ensure user privacy.

Advanced IP Network Protection

The WGS-6325-8UP2X also provides **DHCP Snooping**, **IP Source Guard** and **Dynamic ARP Inspection** functions to prevent IP snooping from attack and discard ARP packets with invalid MAC address. The network administrators can now construct highly-secure corporate networks with considerably less time and effort than before.

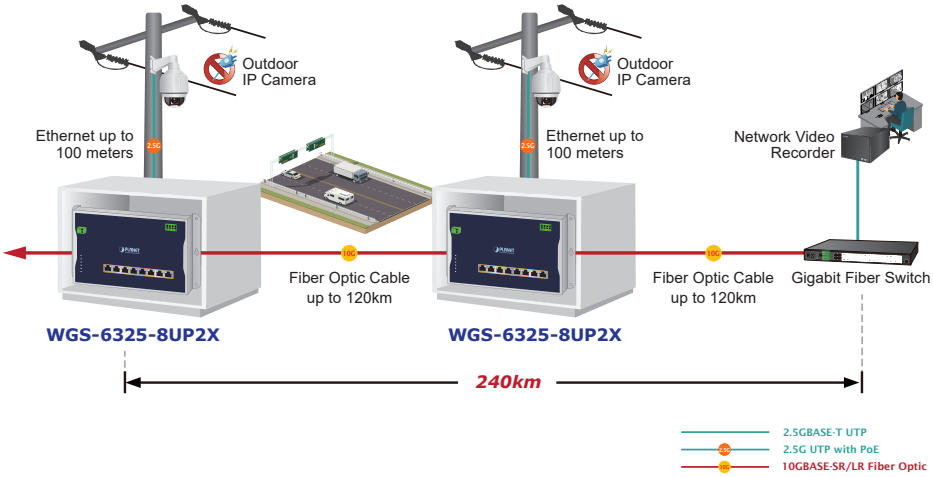
Modbus TCP provides Flexible Network Connectivity for Factory Automation

With the supported **Modbus TCP/IP** protocol, the WGS-6325-8UP2X can easily integrate with **SCADA** systems, **HMI** systems and other data acquisition systems in factory floors. It enables administrators to remotely monitor the industrial Ethernet switch's **operating information**, **port information** and **communication status**, thus easily achieving enhanced monitoring and maintenance of the entire factory.

Flexibility and Extension Solution

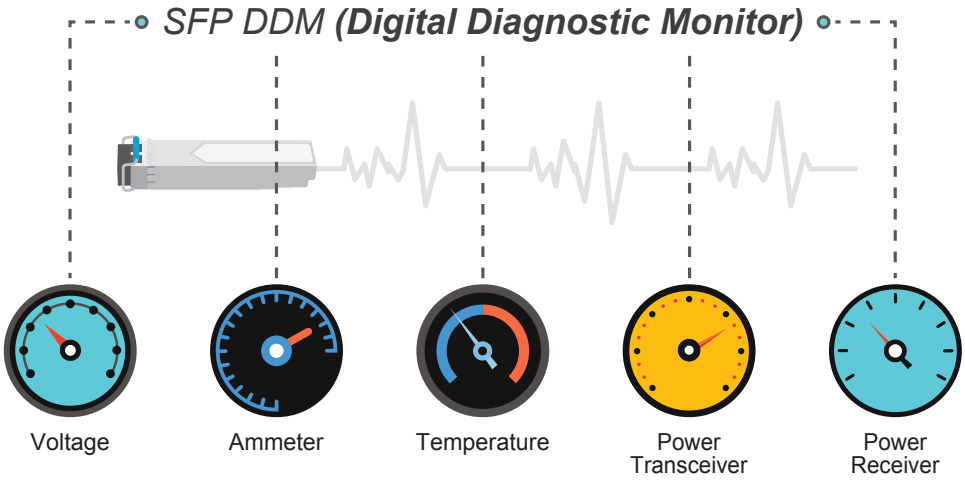
The additional two SFP slots built in the WGS-6325-8UP2X support multi-speed, **1GBASE-SX/LX, 2.5GBASE-X and 10GBASE-X** SFP+ (Small Form-factor Pluggable) fiber-optic modules, meaning the administrator now can flexibly choose the suitable SFP transceiver according to not only the transmission distance but also the transmission speed required. The distance can be extended from 550 meters (multi-mode fiber) to 20/40/80/120 kilometers (single-mode fiber or WDM fiber). They are well suited for applications within the enterprise data centers and distributions.

Extending Ethernet Distance



Intelligent SFP Diagnosis Mechanism

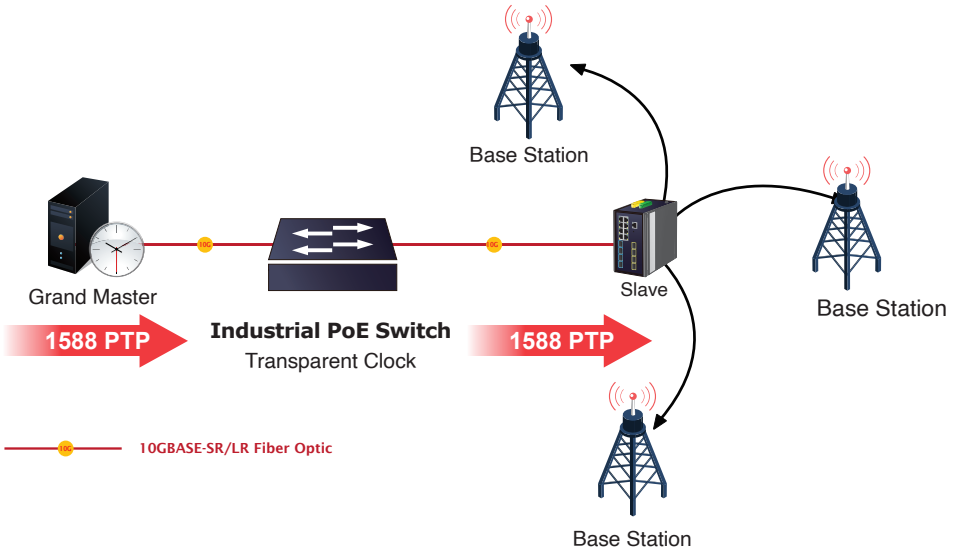
The WGS-6325-8UP2X supports SFP-**DDM** (Digital Diagnostic Monitor) function that greatly helps network administrator to easily monitor real-time parameters of the SFP, such as optical output power, optical input power, temperature, laser bias current, and transceiver supply voltage.



1588 Time Protocol for Industrial Computing Networks

The WGS-6325-8UP2X is ideal for telecom and Carrier Ethernet applications, supporting MEF service delivery and timing over packet solutions for IEEE 1588 and synchronous Ethernet.

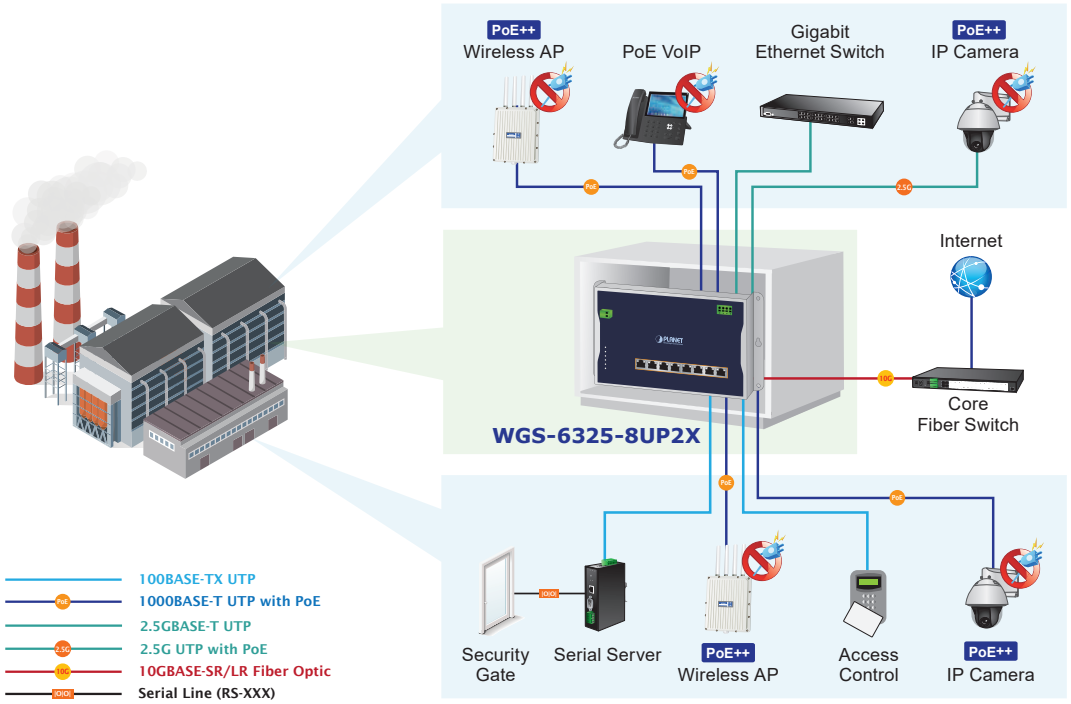
Time Synchronization in Network



Applications

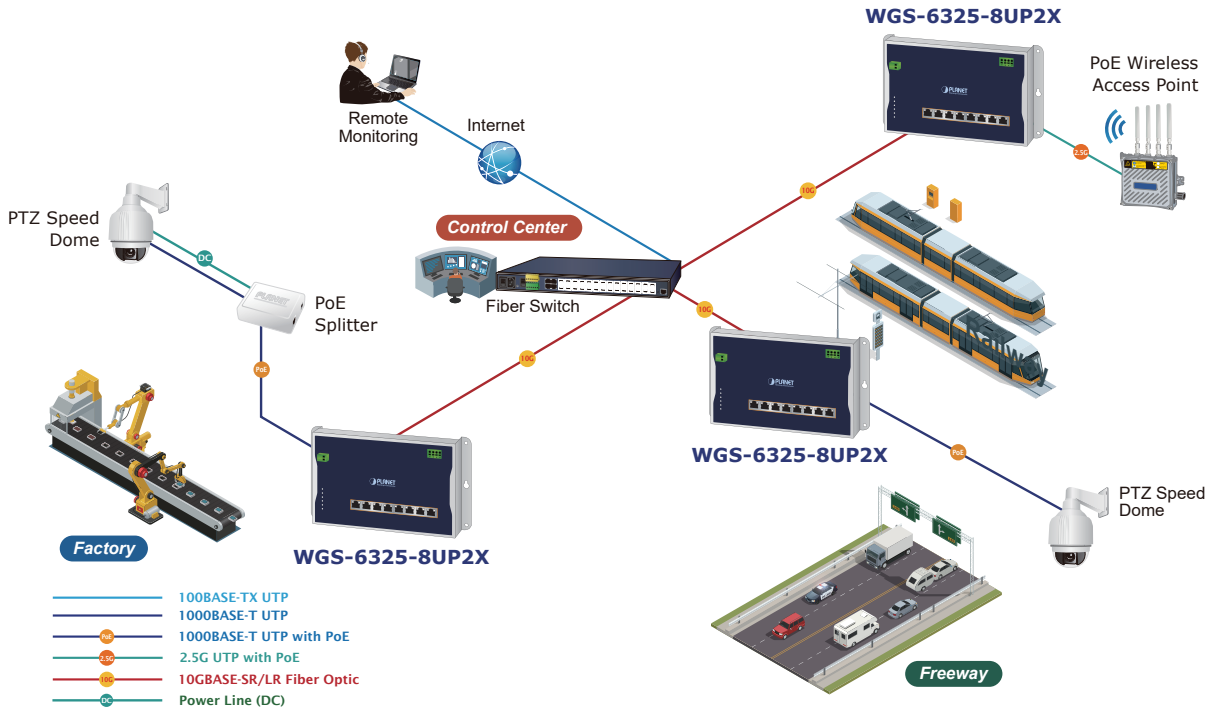
Security Building Automation Switch

Suitable for buildings where security is strictly to be enforced, the WGS-6325-8UP2X 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-6325-8UP2X, a tightly-controlled network can be easily had in no time.



Different Networks Managed by One Control Center

Providing up to 8 PoE++, in-line power interfaces, the WGS-6325-8UP2X can centrally manage power supplying to an industrial network system where IP phones, IP cameras, wireless APs and more are built. For instance, 8 PoE IP cameras or wireless access points can be easily installed around the corner in the industrial environment for surveillance demands or for a wireless roaming network. Without the power-socket limitation, the WGS-6325-8UP2X makes the installation of IP cameras and wireless APs easier and more efficient.



Specifications

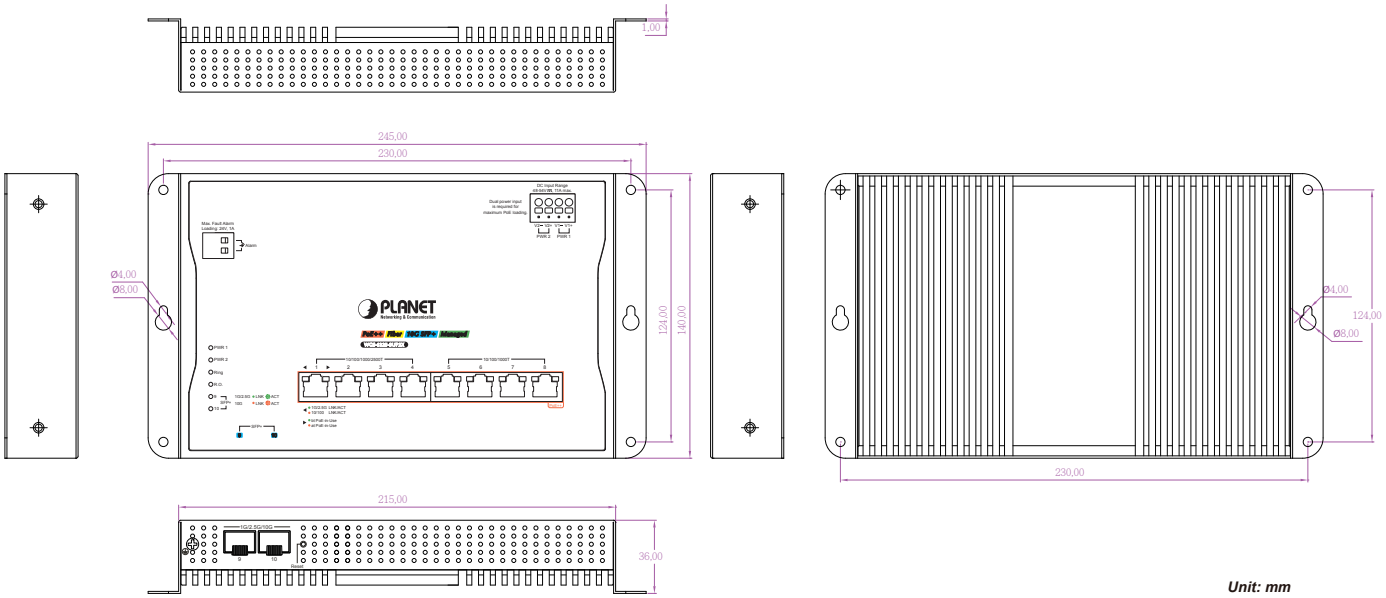
Product	WGS-6325-8UP2X
Hardware Specifications	
Copper Ports	4 10/100/1000/2500BASE-T RJ45 auto-MDI/MDI-X ports (Ports 1 to 4) 4 10/100/1000BASE-T RJ45 auto-MDI/MDI-X ports (Ports 5 to 8)
SFP+ Slots	2 1G/2.5G/10GBASE-X SFP+ interfaces
PoE Injector Port	8 ports with 802.3bt PoE++ injector function (Ports1 to 8)
RAM	512MBytes
Flash Memory	64MBytes
Reset Button	< 5 sec: System reboot > 5 sec: Factory Default
Connector	4-pin terminal block for power input - Pin 1/2 for Power 1 (Pin 1: V+ / Pin 2: V-) - Pin 3/4 for Power 2 (Pin 3: V+ / Pin 4: V-) 2-pin terminal block for event alarm
Alarm	One relay output for power failure. Alarm Relay current carry ability: 1A @ 24V DC
Enclosure	IP30 aluminum case
Installation	Wall-mount
Dimensions (W x D x H)	245 x 36 x 140 mm
Weight	1,230g
Power Requirements	48~54V DC (>52V DC for PoE++ and PoE+ output recommended) Dual power input is required for maximum power loading Maximum current 11A
Power Consumption	**System on:** Max. 13.22 watts/45.08 BTU @54V DC input (240-watt PoE Budget) Max. 16.97 watts/57.87 BTU @54V DC input (480-watt PoE Budget) **Full loading with 802.3bt PoE++ function:** Max. 256.2 watts/874.19 BTU @Single 54V DC input (240-watt PoE Budget) Max. 496.9 watts/1694.43 BTU @Dual 54V DC input (480-watt PoE Budget)
ESD Protection	6KV DC
LED Indicator	System: PWR 1(Green) PWR 2 (Green) Ring (Green) Ring Owner (Green) Per 10/100/1000/2500T RJ45 PoE++ Ports: 1000/2500 LNK/ACT (Green) 10/100 LNK/ACT (Amber) 802.3bt PoE-in-Use (Green) 802.3af/at PoE-in-Use (Amber) Per SFP+ Interface: 1G/2.5G LNK/ACT (Green) 10G LNK/ACT (Amber)
Switching Specifications	
Switch Architecture	Store-and-Forward
Switch Fabric	68Gbps/non-blocking
Throughput (packet per second)	50.592Mbps@ 64 bytes packet
Address Table	8K entries, automatic source address learning and aging
Shared Data Buffer	4.1Mbits
Flow Control	IEEE 802.3x pause frame for full duplex Back pressure for half duplex
Jumbo Frame	10Kbytes
Reset Button	< 5 sec: System reboot > 5 sec: Factory default
Power Over Ethernet	
PoE Standard	IEEE 802.3bt PoE++ Type-4 PSE Backward compatible with 802.3at PoE+ PSE
PoE Power Supply Type	802.3bt End-span Mid-span Force

PoE Power Output	Per port 54V DC - 802.3bt Type-4 mode: maximum 95 watts - End-span mode: maximum 36 watts - Mid-span mode: maximum 36 watts - Force mode: maximum 95 watts
Power Pin Assignment	802.3bt: 1/2(-), 3/6(+),4/5(+), 7/8(-) End-span: 1/2(-), 3/6(+) Mid-span: 4/5(+), 7/8(-)
PoE Power Budget	Single power input: 240W maximum (depending on power input) Dual power input: 480W maximum (depending on power input) *Dual power input must be the same as DC voltage, like dual 54V
Max. Number of Class 3 PDs	8
Max. Number of Class 4 PDs	8
Max. Number of Class 8 PDs	5
PoE Management Functions	
Active PoE Device Detection	Yes
PoE Power Recycling	Yes, daily or predefined schedule
PoE Schedule	4 schedule profiles
PoE Extend Mode	Yes, max. 160 meters
PoE System Management	System PoE Admin control Total PoE power budget control Auto power input and PoE budget control PoE Legacy mode Over-temperature threshold alarm PoE usage threshold alarm
PoE Port Management	Port Enable/Disable/Schedule PoE mode control - 802.3bt - 802.3at End-span - 802.3at Mid-span - Force mode Port Priority
Layer 3 Functions	
IP Interfaces	Max. 32 VLAN interfaces
Routing Table	Max. 32 static routing entries Max. 1K dynamic routing entries
Routing Protocols	IPv4 RIPv2 IPv4 OSPFv2 dynamic routing IPv6 OSPFv3 dynamic routing IPv4 hardware static routing IPv6 hardware static routing
Layer 2 Function	
Port Configuration	Port disable/enable Auto-negotiation 10/100/1000/2500/10000Mbps full and half duplex mode selection Flow control disable/enable Port link capability control
Port Status	Display each port's speed duplex mode, link status, flow control status, auto negotiation status, trunk status
Port Mirroring	TX/RX/both Many-to-1 monitor RMirror – Remote Switched Port Analyzer (Cisco RSPAN) Supports up to 5 sessions
VLAN	IEEE 802.1Q tag-based VLAN IEEE 802.1ad Q-in-Q tunneling Private VLAN Edge (PVE) MAC-based VLAN Protocol-based VLAN Voice VLAN MVR (Multicast VLAN Registration) GVRP Up to 4K VLAN groups, out of 4096 VLAN IDs

Link Aggregation	IEEE 802.3ad LACP/static trunk Supports − Static Port Trucking, (10 ports/5 groups max.) − Dynamic LACP-(10 ports/5 groups max.)
Spanning Tree Protocol	IEEE 802.1D Spanning Tree Protocol IEEE 802.1w Rapid Spanning Tree Protocol IEEE 802.1s Multiple Spanning Tree Protocol BPDU Guard
IGMP Snooping	Ipv4 IGMP (v1/v2 /v3) Snooping Ipv4 IGMP Querier mode support IPv4 IGMP Snooping port filtering Up to 255 multicast Groups Multicast VLAN Registration
MLD Snooping	Ipv6 MLD (v1/v2) Snooping Ipv6 MLD Querier mode support Up to 255 multicast Groups
Bandwidth Control	Per port bandwidth control Ingress: 500Kb~1000Mbps Egress: 500Kb~1000Mbps
RING	Support ERPS, complies with ITU-T G.8032v1 and v2 Recovery time < 50ms
Synchronization	IEEE 1588v2 PTP(Precision Time Protocol) - Peer-to-peer transparent clock - End-to-end transparent clock
QoS	Traffic classification based, strict priority and WRR 8-level priority for switching - Port number - 802.1p priority - 802.1Q VLAN tag - DSCP/TOS field in IP packet
Security Functions	
Access Control List	IP-based ACL/MAC-based ACL ACL based on: - MAC Address - IP Address - Ethertype - Protocol Type - VLAN ID - DSCP - 802.1p Priority Up to 512 entries
Security	Port security IP source guard, up to 512 entries Dynamic ARP inspection, up to 1K entries Command line authority control based on user level Static MAC address, up to 64 entries
AAA	RADIUS client TACACS+ client
Network Access Control	IEEE 802.1x port-based network access control MAC-based authentication Local/RADIUS authentication
Management Functions	
Basic Management Interfaces	Telnet; Web browser; SNMP v1, v2c
Secure Management Interfaces	SSHv2, TLS v1.2, SNMPv3
System Management	Firmware upgrade by HTTP protocol through Ethernet network Configuration upload/download through HTTP LLDP protocol NTP PLANET Smart Discovery Utility PLANET CloudViewerPro app

Event Management	Remote Syslog System log SMTP	
ONVIF	ONVIF device discovery ONVIF device monitoring Floor Map	
SNMP MIBs	RFC 1213 MIB-II IF-MIB RFC 1493 Bridge MIB RFC 1643 Ethernet MIB RFC 2863 Interface MIB RFC 2665 Ether-Like MIB RFC 2819 RMON MIB (Groups 1, 2, 3 and 9) RFC 2737 Entity MIB RFC 2618 RADIUS Client MIB RFC 2933 IGMP-STD-MIB RFC 3411 SNMP-Frameworks-MIB IEEE 802.1X PAE LLDP MAU-MIB Power over Ethernet MIB	
Standards Conformance		
Regulatory Compliance	FCC Part 15 Class A, CE	
Stability Testing	IEC60068-2-32 (free fall) IEC60068-2-27 (shock) IEC60068-2-6 (vibration)	
Standards Compliance	IEEE 802.3 10BASE-T IEEE 802.3u 100BASE-TX/100BASE-FX IEEE 802.3z Gigabit SX/LX IEEE 802.3ab Gigabit 1000T IEEE 802.3bz 2.5GBASE-T IEEE 802.3ae 10Gb/s Ethernet IEEE 802.3x 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 802.1s Multiple Spanning Tree Protocol IEEE 802.1p Class of Service IEEE 802.1Q VLAN tagging IEEE 802.1ad Q-in-Q VLAN stacking IEEE 802.1X Port Authentication Network Control IEEE 802.1ab LLDP IEEE 802.3af Power over Ethernet IEEE 802.3at Power over Ethernet Plus	IEEE 802.3bt Power over Ethernet Plus Plus IEEE 802.3ah OAM IEEE 802.1ag Connectivity Fault Management (CFM) IEEE 802.3az Energy Efficient Ethernet (EEE) IEEE 1588 PTPv2 RFC 768 UDP RFC 793 TFTP RFC 791 IP RFC 792 ICMP RFC 2068 HTTP RFC 1112 IGMP v1 RFC 2236 IGMP v2 RFC 3376 IGMP v3 RFC 2710 MLD version 1 RFC 3810 MLD version 2 ITU-T G.8032 Ethernet Ring Protection Switching ITU-T Y.1731 Performance Monitoring
Environment		
Operating	Temperature: -40 ~ 75 degrees C Relative Humidity: 5 ~ 95% (non-condensing)	
Humidity	Temperature: -40 ~ 85 degrees C Relative Humidity: 5 ~ 95% (non-condensing)	

Dimensions



Unit: mm

Ordering Information

WGS-6325-8UP2X	Industrial L3 4-Port 2.5G 802.3bt PoE + 4-Port 10/100/1000T 802.3bt PoE + 2-Port 10G SFP+ Wall-mount Managed Switch

Related Products

WGS-5225-8UP2SV	Industrial L2+ 8-Port 10/100/1000T 802.3bt PoE + 2-Port 1G/2.5G SFP Wall-mount Managed Switch with LCD Touch Screen
WGS-5225-8P2SV	Industrial L2+ 8-Port 10/100/1000T 802.3at PoE + 2-Port 100/1000X SFP Wall-mount Managed Switch with LCD Touch Screen
WGS-5225-8P2S	Industrial L2+ 8-Port 10/100/1000T 802.3at PoE + 2-Port 100/1000X SFP Wall-mount Managed Switch
WGS-5225-8T2SV	Industrial L2+ 8-Port 10/100/1000T + 2-Port 100/1000X SFP Wall-mount Managed Switch with LCD Touch Screen

Available Modules

MTB Series Transceiver	10GBASE-X Transceiver
MGB2G-Series Transceiver	2500BASE-SX/LX Transceiver
MGB-Series Transceiver	1000BASE-SX/LX Transceiver

Related Power Supply

PWR-480-48	48V, 480W DIN-rail Power Supply (NDR-480-48, adjustable 48-56V DC Output)

PLANET Technology Corporation

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