

Planet Switch managed 4 x 10/100/1000 PoE+ + 4 x an DIN-Schiene montierbar wandmontierbar 144 W Gleichstrom

Artikelnummer	999947706
Gewicht	1kg
Länge	1mm
Breite	1mm
Höhe	1mm



Produktbeschreibung

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Produktbeschreibung:

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 auto-negotiation 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 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 - 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 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 Built-in Unique PoE Functions for Powered Devices Management

As it is the managed PoE switch for surveillance, wireless and VoIP networks, the WGS-804HPT 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-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.

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.

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.

Technische Details:

Allgemein

Gerätetyp

Switch - 8 Anschlüsse - managed

Gehäusetyp

An DIN-Schiene montierbar, wandmontierbar

Untertyp

Gigabit Ethernet

Ports

4 x 10/100/1000 (PoE+) + 4 x 10/100/1000

Power Over Ethernet (PoE)

PoE+

PoE-Budget

144 W

Leistung

Switching Fabric-Bandbreite: 16 Gbit/s

Durchsatz (64-Byte Paketgröße): 11,9 Mpps

Kapazität

VLAN IDs: 4096

VLAN-Gruppen: 256

Größe der MAC-Adresstabelle

8000 Einträge

Jumbo-Rahmenunterstützung

10KB

Remoteverwaltungsprotokoll

SNMP 1, Telnet, SNMP 3, SNMP 2c, HTTP

Verschlüsselungsalgorithmus

SSL

Authentifizierungsmethode

RADIUS, TACACS+

Leistungsmerkmale

Flusskontrolle, IGMP Snooping, Syslog-Unterstützung, Port-Spiegelung, Store-and-Forward, MAC-Adressenfilter, Broadcast Storm Control, Halbduplex-Modus, Vollduplex-Modus, Multicast Storm Control, Unicast Storm Control, SNTP-Unterstützung, Spanning Tree Protocol (STP) Support, unterstützt Rapid Spanning Tree Protocol (RSTP), VLAN Stacking, Multiple Spanning Tree Protocol (MSTP) Support, DHCP-Snooping, MLD-Snooping, LLDP-Support, Link Aggregation Control Protocol (LACP), gekennzeichnetes VLAN, Generic VLAN Registration Protocol (GVRP), 8KV ESD Protector, ARP-Inspektion, Bridge protocol data unit (BPDU)

Produktzertifizierungen

IEEE 802.3, IEEE 802.3u, IEEE 802.1D, IEEE 802.1Q, IEEE 802.3ab, IEEE 802.1p, IEEE 802.3af, IEEE 802.3x, IEEE 802.3ad (LACP), IEEE 802.1w, IEEE 802.1x, IEEE 802.1s, IEEE 802.1ad, IEEE 802.3at

Statusanzeiger

Stromversorgung, PoE, Link/Aktivität

Erweiterung/Konnektivität

Schnittstellen

4 x 1000Base-T RJ-45 PoE+ - 36 W

4 x 1000Base-T RJ-45

Stromversorgung

Erforderliche Netzspannung

DC 48 - 56 V

Leistungsaufnahme im Betrieb

152 Watt

Verschiedenes

Zubehör im Lieferumfang

8 Port-Staubschutzhüllen, 3-poliger Stromversorgungsanschlussblock, DIN-Schienen-Montageset, Wandmontagekit

Produktzertifizierungen

IEC 60068-2-27, IEC 60068-2-32, IEC 60068-2-6, FCC Part 15 A

Maße und Gewicht

Breite

14,8 cm

Tiefe

2,5 cm

Höhe

13,4 cm

Gewicht

625 g

Umgebungsbedingungen

Min Betriebstemperatur

-40 °C

Max. Betriebstemperatur

75 °C

Zulässige Luftfeuchtigkeit im Betrieb

5 - 95 % (nicht kondensierend)

Min. Lagertemperatur

-40 °C

Max. Lagertemperatur

85 °C

Zulässige Luftfeuchtigkeit bei Lagerung

5 - 95 % (nicht kondensierend)

Produkteigenschaften

Leistung	Durchsatz (64-Byte Paketgröße): 11,9 Mpp, Switching Fabric-Bandbreite: 16 Gbit/s
Bereitgestellte Schnittstelle - Schnittstellen	4 x 1000Base-T RJ-45, 4 x 1000Base-T RJ-45 PoE+ - 36 W
Netzwerk - Formfaktor	An DIN-Schiene montierbar, Wandmontierbar
Netzwerk - Typ	Switch
Ports - Typ	10/100/1000 (PoE+)
Statusanzeiger	Link/Aktivität, PoE, Stromversorgung
Größe der MAC-Adresstabelle	8000 Einträge
Verschlüsselungsalgorithmus	SSL
Kapazität - Kapazität	VLAN-Gruppen: 256, VLAN IDs: 4096
Leistungsaufnahme im Betrieb	152 Watt
Untertyp	Gigabit Ethernet
Gewicht	625 g
Farbkategorie	Schwarz
Ports (zweite) - Typ	10/100/1000
Anz. Anschlüsse	8

Weitere Bilder

