

Planet Switch L4 verwaltet 8 x 10/100/1000 PoE+ + 2 x SFP an Rack montierbar

PLANET GS-4210-8P2S online kaufen. Managed Switch mit 8 PoE+ Ports & 2 SFP Slots. Schnelle Lieferung & super Service. Jetzt bei Future-X bestellen!

Artikelnummer 992007721

Gewicht 1kg

Länge 1mm

Breite 1mm

Höhe 1mm



Produktbeschreibung

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Produktbeschreibung:

Physical Port 8 10/100/1000BASE-T Gigabit RJ45 copper ports with 8-port IEEE 802.3at/af PoE injector
 2 100/1000BASE-X mini-GBIC/SFP slots 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 8 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 Layer 2 Features Prevents packet loss with back pressure (half-duplex) and IEEE 802.3x pause frame flow control (full-duplex) High performance Store and Forward architecture, broadcast storm control, runt/CRC filtering eliminates erroneous packets to optimize the network bandwidth Supports VLAN - IEEE 802.1Q tagged VLAN - Provider Bridging (VLAN Q-in-Q) support (IEEE 802.1ad) - Protocol VLAN - Voice VLAN - Private VLAN - 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) Provides port mirror (many-to-1) Loop protection to avoid broadcast loops Quality of Service Ingress and egress rate limit per port bandwidth control Storm control support - Broadcast / Unknown unicast / Unknown multicast 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 and v3 Supports IPv6 MLD snooping v1, v2 IGMP querier mode support IGMP snooping port filtering MLD snooping port filtering Security Authentication - IEEE 802.1X port-based network access authentication - Built-in RADIUS client to co-operate with the RADIUS servers - RADIUS / TACACS+ login user access authentication Access control list - IPv4 / IPv6 IP-based ACL - MAC-based ACL 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 - Web switch management - Telnet command line interface - SNMP v1, v2c and v3 - SSH and SSL secure access User privilege levels control Built-in Trivial File Transfer Protocol (TFTP) client BOOTP and DHCP for IP address assignment System maintenance - Firmware upload/download via HTTP / TFTP - Configuration upload / download through web interface - Dual images - Hardware reset button for system reboot or reset to factory default SNTP Network Time Protocol Cable diagnostics Link Layer Discovery Protocol (LLDP) 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 Smart fan with speed control

A Perfect Managed PoE+ Switch with Advanced L2/L4 Switching and Security PLANET GS-4210-8P2S is a cost-optimized, desktop-size Managed Gigabit PoE+ Switch featuring PLANET intelligent PoE functions to improve the availability of critical business applications. It provides IPv6/IPv4 dual stack management and built-in L2/L4 Gigabit switching engine along with 8 10/100/1000BASE-T ports featuring 36-watt 802.3at PoE+ and 2 additional Gigabit SFP slots. With a total power budget of up to 120 watts for different kinds of PoE applications, it provides a quick, safe and cost-effective Power over Ethernet network solution for small businesses and enterprises.

Built-in Unique PoE Functions for Powered Devices

Management As it is the managed PoE switch for surveillance, wireless and VoIP networks, the GS-4210-8P2S features the following special PoE management functions:

PD alive check Scheduled power recycling PoE schedule PoE usage monitoring Intelligent Powered Device Alive-Check The GS-4210-8P2S can be configured to monitor connected PD (Powered Device) status in real time via ping action.

Once the PD stops working and responding, the GS-4210-8P2S 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 GS-4210-8P2S 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 GS-4210-8P2S 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 money. It also increases security by powering off PDs that should not be in use during non-business hours.

PoE Usage Monitoring Via the power usage chart in the web management interface, the GS-4210-8P2S 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.

Environment-friendly, Smart Fan Design for Silent Operation The GS-4210-8P2S features a desktop-sized metal housing,

a low noise design and an effective ventilation system.

It supports the smart fan technology that automatically controls the speed of the built-in fan to reduce noise and maintain the temperature of the PoE switch for optimal power output capability.

The GS-4210-8P2S is able to operate reliably, stably and quietly in any environment without affecting its performance.

IPv6 / IPv4 Dual Stack Management Supporting both IPv6 and IPv4 protocols, the GS-4210-8P2S 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 GS-4210-8P2S can be programmed for advanced switch management functions such as dynamic port link aggregation,

802.1Q VLAN and Q-in-Q VLAN, Multiple Spanning Tree protocol (MSTP), loop and BPDU guard, IGMP snooping, and MLD snooping. Via the link aggregation, the GS-4210-8P2S allows the operation of a high-speed trunk to combine with multiple ports, 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 GS-4210-8P2S 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 storm control, per port bandwidth control, IP DSCP QoS priority and remarking. It guarantees the best performance for VoIP and video stream transmission, and empowers the enterprises to take full advantage of the limited network resources.

Powerful Security PLANET GS-4210-8P2S offers comprehensive IPv4 / IPv6 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 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, Port security function allows to limit the number of network devices on a given port.

Advanced Network Security The GS-4210-8P2S 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-secured corporate networks with considerably less time and effort than before.

Friendly and Secure Management For efficient management, the GS-4210-8P2S is equipped with web, Telnet and SNMP management interfaces. With the built-in web-based management interface, the GS-4210-8P2S 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 GS-4210-8P2S offers secure remote management by supporting SSH, SSL and SNMP v3 connections which encrypt the packet content at each session.

Flexibility and Long-distance Extension Solution
The two mini-GBIC slots built in the GS-4210-8P2S

support SFP auto-detection and dual speed as it features 100BASE-FX and 1000BASE-SX/LX SFP (Small Form-factor Pluggable) fiber transceivers to uplink to backbone switch and monitoring center in long distance.

The distance can be extended from 550 meters to 2 kilometers (multi-mode fiber) and up to above 10/20/30/40/50/70/120 kilometers (single-mode fiber or WDM fiber).

They are well suited for applications within the enterprise data centers and distributions.

Intelligent SFP Diagnosis Mechanism The GS-4210-8P2S supports SFP-DDM (Digital Diagnostic Monitor) function that can easily monitor real-time parameters of the SFP for network administrator, such as optical output power, optical input power, temperature, laser bias current and transceiver supply voltage.

Technische Details:

Allgemein

Gerätetyp

Switch - L4 - managed

Gehäusetyp

An Rack montierbar 1U

Untertyp

Gigabit Ethernet

Ports

8 x 10/100/1000 (PoE+) + 2 x SFP

Power Over Ethernet (PoE)

PoE+

PoE-Budget

120 W

Leistung

Switching Fabric-Bandbreite: 20 Gbit/s

Durchsatz (64-Byte Paketgröße): 14,88 Mpps

Kapazität

VLAN-Gruppen: 256

VLAN-Unterstützung: 4094

IGMP Spiongruppen: 256

Größe der MAC-Adresstabelle

8000 Einträge

Jumbo-Rahmenunterstützung

10.000 Byte

Routing Protocol

IGMPv2, IGMPv3, MLDv2, MLD

Remoteverwaltungsprotokoll

SNMP 1, SNMP 2, RMON 1, RMON 2, RMON 3, RMON 9, Telnet, SNMP 3, HTTP, TFTP, SSH

Verschlüsselungsalgorithmus

SSL

Authentifizierungsmethode

RADIUS, TACACS+

Leistungsmerkmale

Flusskontrolle, VLAN-Unterstützung, Auto-Uplink (Auto MDI/MDI-X), IGMP Snooping, Syslog-Unterstützung, Schutz vor DoS-Angriffen, Port-Spiegelung, Weighted Round Robin (WRR) Queuing, Store-and-Forward, MAC-Adressenfilter, Broadcast Storm Control, IPv6-Unterstützung, Halbduplex-Modus, Vollduplex-Modus, Multicast Storm Control, Unicast Storm Control, Firmware aktualisierbar, SNTP-Unterstützung, Spanning Tree Protocol (STP) Support, unterstützt Rapid Spanning Tree Protocol (RSTP), Multiple Spanning Tree Protocol (MSTP) Support, DHCP-Snooping, Trivial File Transfer Protocol (TFTP) Support, Access Control List (ACL) Support, Quality of Service (QoS), DHCP-Server, MLD-Snooping, Dynamic ARP Inspection (DAI), Reset-Taste, IPv4-Unterstützung, LLDP-Support,

Link Aggregation Control Protocol (LACP), Port Security, Spoofing-Schutz, IP-MAC-Einbindung, SNMP-Trap, Dynamic VLAN Support (GVRP), Verhindern von Schleifenbildung, Class of Service (CoS), gekennzeichnetes VLAN, TFTP-Client, 8KV ESD Protector, Type of Service (ToS), unterstützt DiffServ Code Point (DSCP), PoE-Schutzschaltung, MAC- und IP-basierter ACL-Support, Back Pressure Support, Port-Filterung, Bridge protocol data unit (BPDU), PoE Verwaltung

Produktzertifizierungen

IEEE 802.3, IEEE 802.3u, IEEE 802.3z, 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, 1000M-Gerät angeschlossen, PoE, Link/Aktivität, Lüfter

Erweiterung/Konnektivität

Schnittstellen

8 x 1000Base-T RJ-45 36 W

2 x 1000Base-X SFP

Stromversorgung

Stromversorgungsgerät

Internes Netzteil

Erforderliche Netzspannung

Wechselstrom 120/230 V (50/60 Hz)

Leistungsaufnahme im Betrieb

165 Watt

Verschiedenes

Produktzertifizierungen

FCC Part 15 A, LVD

Maße und Gewicht

Breite

33 cm

Tiefe

15,5 cm

Höhe

4,35 cm

Gewicht

1,687 kg

Umgebungsbedingungen

Min Betriebstemperatur

0 °C

Max. Betriebstemperatur

50 °C

Zulässige Luftfeuchtigkeit im Betrieb

5 - 95 % (nicht kondensierend)

Min. Lagertemperatur

-20 °C

Max. Lagertemperatur

70 °C

Zulässige Luftfeuchtigkeit bei Lagerung

5 - 95 % (nicht kondensierend)

Produkteigenschaften

Statusanzeiger	1000M-Gerät angeschlossen, Link/Aktivität, Lüfter, PoE, Stromversorgung
Netzwerk - Typ	Switch
Ports - Typ	10/100/1000 (PoE+)
Größe der MAC-Adresstabelle	8000 Einträge
Verschlüsselungsalgorithmus	SSL
Höhe (Rack-Einheiten)	1
Leistung	Switching Fabric-Bandbreite: 20 Gbit/s, Durchsatz (64-Byte Paketgröße): 14,88 Mp
Netzwerk - Formfaktor	An Rack montierbar
Kapazität - Kapazität	VLAN-Gruppen: 256, IGMP Spiongruppen: 256, VLAN-Unterstützung: 4094
Leistungsaufnahme im Betrieb	165 Watt
Produkttyp	Switch
Bereitgestellte Schnittstelle - Schnittstellen	8 x 1000Base-T RJ-45 36 W, 2 x 1000Base-X SFP
Gewicht	1,687 kg
Untertyp	Gigabit Ethernet
Farbkategorie	Schwarz
Ports (zweite) - Typ	SFP (mini-GBIC)

Weitere Bilder

