

Planet Switch managed 24 x 10/100/1000 PoE+ + 4 x Kombi-Gigabit-SFP Desktop an Rack montierbar 220 W

Artikelnummer 999947504

Gewicht 1kg

Länge 1mm

Breite 1mm

Höhe 1mm



Produktbeschreibung

Planet Switch managed 24 x 10/100/1000 PoE+ + 4 x Kombi-Gigabit-SFP Desktop an Rack montierbar 220 W

Produktbeschreibung:

28-port 10/100/1000BASE-T Gigabit RJ45 copper
with 24-port IEEE 802.3at/af PoE injector 4x 100/1000BASE-X
mini-GBIC/SFP slots,

shared with port-25 to port-28 compatible with

100BASE-FX SFP RJ45 console interface for switch

basic management and setup Complies with IEEE

802.3at Power over Ethernet Plus,

end-span PSE Backward compatible with IEEE 802.3af

Power over Ethernet Up to 24 ports of IEEE 802.3af /

802.3at devices powered Supports PoE power up

to 30.8 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 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) - Maximum 8 trunk groups,

up to 8 ports per trunk group Provides port mirror

(many-to-1) Loop protection to avoid broadcast

loops 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
 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 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
 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 The GS-4210-24P(L)4C is a new generation
 of PLANET 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 24 10/100/1000BASE-T ports featuring 30-watt
 802.3at PoE+ and 4 additional Gigabit TP/SFP combo ports.
 With a total power budget of up to 220 watts and
 440 watts for different kinds of PoE applications,
 respectively, the GS-4210-24P4C and GS-4210-24PL4C
 provide 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 a managed PoE switch for surveillance,
 wireless and VoIP networks, the GS-4210-24P(L)4C
 features special PoE management functions: PD

alive check Scheduled power recycling PoE schedule
PoE usage monitoring Intelligent Powered Device
Alive-Check The GS-4210-24P(L)4C 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-4210-24P(L)4C 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-4210-24P(L)4C 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-4210-24P(L)4C 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-4210-24P(L)4C 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.

Smart Fan Design for Silent Operation The GS-4210-24P(L)4C features 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-4210-24P(L)4C is able to operate reliably, stably and quietly in any environment without affecting its performance.

IPv6 / IPv4 Dual Stack Supporting both IPv6 and IPv4 protocols, the GS-4210-24P(L)4C 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-4210-24P(L)4C 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-4210-24P(L)4C

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 GS-4210-24P(L)4C 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-4210-24P(L)4C 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-4210-24P(L)4C 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-4210-24P(L)4C is equipped with console, web, telnet and SNMP management interfaces. With the built-in web-based management interface, the GS-4210-24P(L)4C offers an easy-to-use, platform-independent management and configuration facility.

By supporting standard Simple Network Management Protocol (SNMP), the switch can be managed via any standard management software. For text-based management, the switch can be accessed via telnet and the console port. Moreover, the GS-4210-24P(L)4C offers secure remote management by supporting SSH, SSL and SNMPv3 connections which encrypt the packet content at each session.

Flexibility and Long-distance Extension Solution The GS-4210-24P(L)4C provides 4 extra gigabit TP interfaces supporting 10/100/1000BASE-T RJ45 copper that connects with surveillance network

devices such as NVR,
video streaming server or NAS to facilitate surveillance management.

Or through these dual-speed fiber SFP slots, it
can also connect with the 100BASE-FX /
1000BASE-SX/LX SFP (Small Form-factor Pluggable)
fiber transceiver 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-4210-24P(L)4C
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 - 24 Anschlüsse - managed

Gehäusotyp

Desktop, an Rack montierbar 1U

Untertyp

Gigabit Ethernet

Ports

24 x 10/100/1000 (PoE+) + 4 x Kombi-Gigabit-SFP

Power Over Ethernet (PoE)

PoE+

PoE-Budget

220 W

Leistung

Switching Fabric-Bandbreite: 56 Gbit/s

Durchsatz: 41,67 Mpps

Kapazität

VLAN-Gruppen: 256

VLAN-Unterstützung: 4094

Größe der MAC-Adresstabelle

8000 Einträge

Jumbo-Rahmenunterstützung

10KB

Routing Protocol

IGMPv2, IGMPv3, MLDv2, MLD

Remoteverwaltungsprotokoll

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

Verschlüsselungsalgorithmus

SSL

Authentifizierungsmethode

RADIUS, TACACS+

Leistungsmerkmale

Flusskontrolle, Layer 4 switching, Layer 2 switching, DHCP Support, Power over Ethernet (PoE), BOOTP-Unterstützung, VLAN-Unterstützung, Auto-Uplink (Auto MDI/MDI-X), IGMP Snooping, Syslog-Unterstützung, Schutz vor DoS-Angriffen, Port-Spiegelung, verwaltbar, Store-and-Forward, MAC-Adressenfilter, Broadcast Storm Control, IPv6-Unterstützung, Halbduplex-Modus, Vollduplex-Modus, Multicast Storm Control, Unicast Storm Control, Firmware aktualisierbar, STNP-Unterstützung, Spanning Tree Protocol (STP)

Support, unterstützt Rapid Spanning Tree Protocol (RSTP), Multiple Spanning Tree Protocol (MSTP) Support, DHCP-Snooping, Access Control List (ACL) Support, Quality of Service (QoS), RADIUS-Unterstützung, SSH-Unterstützung, Jumbo-Frames-Support, MLD-Snooping, Dynamic ARP Inspection (DAI), Digital Diagnostics, Reset-Taste, Bandbreitensteuerung, IPv4-Unterstützung, LLDP-Support, Link Aggregation Control Protocol (LACP), Management Information Base (MIB), Class of Service (CoS), Generic VLAN Registration Protocol (GVRP), TFTP-Client, 8KV ESD Protector, Type of Service (ToS), unterstützt DiffServ Code Point (DSCP), 4,1-MB-Paketpuffer, IP-Quellwächter, Bridge protocol data unit (BPDU)

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 802.1ab (LLDP), IEEE 802.3at

Integrierte Peripheriegeräte

LED Panel

Statusanzeiger

Stromversorgung, Alarm, System, 1000M-Gerät angeschlossen, PoE, Link/Aktivität, Lüfter

Erweiterung/Konnektivität

Schnittstellen

8 x 1000Base-T RJ-45 PoE+ - 30.8 W

4 x 1000Base-X SFP

4 x 1000Base-T RJ-45

1 x Verwaltung (RS-232) RJ-45

Stromversorgung

Stromversorgungsgerät

Internes Netzteil

Erforderliche Netzspannung

Wechselstrom 120/230 V (50/60 Hz)

Leistungsaufnahme im Betrieb

275 Watt

Verschiedenes

Zubehör im Lieferumfang

Gummifüße, 4 Port-Abdeckungen (SFP)

Enthaltene Kabel

1 x Konsolenkabel

Rackmontagesatz

Mitgeliefert

Produktzertifizierungen

FCC Part 15 A

Maße und Gewicht

Breite

44 cm

Tiefe

30 cm

Höhe

4,45 cm

Gewicht

4,214 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

Leistungsaufnahme im Betrieb	275 Watt
Bereitgestellte Schnittstelle - Schnittstellen	4 x 1000Base-T RJ-45, 4 x 1000Base-X SFP, 8 x 1000Base-T RJ-45 PoE+ - 30.8 W, 1 x Verwaltung (RS-232) RJ-45
Netzwerk - Typ	Switch
Gewicht	4,214 kg
Ports - Typ	10/100/1000 (PoE+)
Leistung	Durchsatz: 41,67 Mpps, Switching Fabric-Bandbreite: 56 Gbit/s
Statusanzeiger	Link/Aktivität, Lüfter, PoE, Stromversorgung, Alarm, System
Größe der MAC-Adresstabelle	8000 Einträge
Verschlüsselungsalgorithmus	SSL
Höhe (Rack-Einheiten)	1
Netzwerk - Formfaktor	Desktop, An Rack montierbar
Kapazität - Kapazität	VLAN-Gruppen: 256, VLAN-Unterstützung: 4094
Anz. Anschlüsse	24
Untertyp	Gigabit Ethernet
Farbkategorie	Schwarz
Ports (zweite) - Typ	Kombi-Gigabit-SFP

Weitere Bilder

