Planet Switch managed 24 x 10/100/1000 PoE+ + 4 x Kombi-Gigabit-SFP Desktop an Rack montierbar 440 W

Artikelnummer	999947519
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 440 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
Gehäusetyp
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
440 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, SNTP-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
Statusanzeiger	1000M-Gerät angeschlossen, Link/Aktivität, Lüfter, PoE, Stromversorgung, Alarm, System
Netzwerk - Typ	Switch
Gewicht	4,214 kg
Ports - Typ	10/100/1000 (PoE+)
Leistung	Durchsatz: 41,67 Mpps, Switching Fabric-Bandbreite: 56 Gbit/s
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