Planet Switch managed 48 x 10/100/1000 + 4 x Gigabit SFP an Rack montierbar

Artikelnummer	999947533
Gewicht	1kg
Länge	1mm
Breite	1mm
Höhe	1mm

Produktbeschreibung

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Produktbeschreibung:

48-port 10/100/1000BASE-T Gigabit RJ45 copper
4x 100/1000BASE-X mini-GBIC/SFP slots Reset button
for system factory default Prevents packet loss
with back pressure (half-duplex) and IEEE 802.3x
pause frame flow control (full-duplex) Supports
VLAN Supports Spanning Tree Protocol Supports
Link Aggregation Provides port mirror (many-to-1)
Loop protection to avoid broadcast loops Ingress
and egress rate limit per port bandwidth control
Storm control support Traffic classification Authentication
Access Control List MAC Security IPv4 and IPv6
dual stack management Switch Management Interface
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   Cost-optimized High-density Managed
Gigabit Switch for Small and Medium Businesses
PLANET GS-4210-48T4S Gigabit Managed Switch is
perfectly designed for SMB and enterprise network
infrastructures.
Besides the IPv6 / IPv4 management and abundant L2 /
L4 switching functions, the GS-4210-48T4S comes
with fanless feature and green technology to provide a quiet,
energy-saving, high-speed and reliable office
network environment.
It benefits the SMB and enterprise users as it
provides Gigabit network performance but it comes
at the cost of a Fast Ethernet switch.
The GS-4210-48T4S is quite suitable for the next-generation
network deployment and offers the lowest total
cost of ownership.

It is the best investment for business expansion
or upgrading its network infrastructure.
   High Performance The GS-4210-48T4S provides
48 10/100/1000BASE-T Gigabit Ethernet RJ45 ports
and 4 additional 100/1000BASE-X SFP slots.
It boasts a high-performance switch architecture
that is capable of providing the non-blocking
switch fabric and wire-speed throughput as high as 104Gbps,
which greatly simplifies the tasks of upgrading
the LAN for catering to increasing bandwidth demands.
   Fanless Design Adopting the latest chip process
and green technology,
the GS-4210-48T4S successfully reduces substantial
power consumption with the fanless and noiseless
design collocating with the effective cooler.
Therefore, the GS-4210-48T4S is able to operate
stably and quietly in any environment without
affecting its performance.
   IPv6 / IPv4 Dual Stack By supporting both IPv6
and IPv4 protocols,
the GS-4210-48T4S helps the SMBs to step in the
IPv6 era with the lowest investment as network
facilities do not need to be fully replaced.
Thus, the IPv4 network can be easily upgraded
by ISPs to the IPv6 FTTx edge network.
   Robust Layer 2 Features The GS-4210-48T4S 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, and IGMP Snooping. Via the
aggregation of supporting ports,
the GS-4210-48T4S 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.
   Efficient Traffic Control The GS-4210-48T4S
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 of VoIP and video stream transmission,
and empowers the enterprises to take full advantage
of the limited network resources.
   Enhanced and Secure Management For efficient management,
the GS-4210-48T4S is equipped with Web, Telnet
and SNMP management interfaces.
With the built-in Web-based management interface,
the GS-4210-48T4S 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 port.
Moreover, the GS-4210-48T4S offers secure remote
management by supporting SSH and SSL connections

which encrypt the packet content at each session.
   Powerful Security PLANET GS-4210-48T4S 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 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.
Port Security allows to limit the number of users
on a given port.
The network administrators can now construct highly-secured
corporate networks with considerably less time
and effort than before.
   Flexible Extension Solution The four mini-GBIC
slots built in the GS-4210-48T4S are compatible
with 1000BASE-SX/LX and WDM SFP (small form-factor
pluggable) fiber-optic modules.
The distance can be extended from 550 meters (multi-mode
fiber) to 10/20/30/40/50/70/120 kilometers (single-mode
fiber or WDM fiber).
The GS-4210-48T4S 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.
It is well suited for applications in the enterprise
data centers and distributions.
   Green Networking In line with the energy-saving
trend worldwide,
the GS-4210-48T4S adopts the new-generation green
technology which brings both benefits of energy
saving and Gigabit performance.
The new engine provides up to 60% less energy
consumption without reducing the performance,
and particularly it offers flexible power-saving
mode to meet various demands.
Technische Details:

Allgemein
Gerätetyp
Switch - 48 Anschlüsse - managed
Gehäusetyp
An Rack montierbar
Untertyp
Gigabit Ethernet
Ports
48 x 10/100/1000 + 4 x Gigabit SFP
Leistung
Switching Fabric-Bandbreite: 104 Gbps
Durchsatz: 77,38 Mpps
Größe der MAC-Adresstabelle
16.000 Einträge

Jumbo-Rahmenunterstützung
10KB
Routing Protocol
IGMPv2, IGMP, IGMPv3, MLDv2, MLD
Remoteverwaltungsprotokoll
SNMP 1, RMON 1, RMON 2, RMON 3, RMON 9, Telnet, SNMP 3, SNMP 2c, HTTP, TFTP, SSH, CLI
Verschlüsselungsalgorithmus
SSL
Authentifizierungsmethode
Secure Shell (SSH), RADIUS, TACACS+
Leistungsmerkmale
Flusskontrolle, Auto-Negotiation, BOOTP-Unterstützung, Auto-Uplink (Auto MDI/MDI-X), Syslog-Unterstützung, Port-Spiegelung, Weighted Round Robin (WRR)-Warteschlange, Store-and-Forward, Broadcast Storm Control, Halbduplex-Modus, Vollduplex-Modus, Multicast Storm Control, Unicast Storm Control, Firmware aktualisierbar, DHCP-Snooping, Unterstützung für Access Control List (ACL), Dynamic ARP Inspection (DAI), Reset-Taste, Cable Diagnostics Function, DHCP-Relais, Multicast VLAN Registration (MVR), 6KV ESD Protector, IP-Quellwächter, Internet Control Message Protocol (ICMP)
Produktzertifizierungen
IEEE 802.3, IEEE 802.3u, IEEE 802.3z, IEEE 802.1D, IEEE 802.1Q, IEEE 802.3ab, IEEE 802.1p, IEEE 802.3x, IEEE 802.3ad (LACP), IEEE 802.1w, IEEE 802.1x, IEEE 802.1s, IEEE 802.1ab (LLDP)
Statusanzeiger
Stromversorgung, System, Link/Aktivität
Erweiterung/Konnektivität
Schnittstellen
48 x 1000Base-T RJ-45
4 x 1000Base-X SFP
Stromversorgung
Stromversorgungsgerät
Internes Netzteil
Erforderliche Netzspannung
Wechselstrom 120/230 V (50/60 Hz)
Leistungsaufnahme im Betrieb
34 Watt
Verschiedenes
Produktzertifizierungen
FCC Part 15 A
Maße und Gewicht
Breite
44 cm
Tiefe
30 cm
Höhe
4,45 cm
Gewicht
3,7 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

Netzwerk - Typ	Switch
Leistungsaufnahme im Betrieb	34 Watt
Bereitgestellte Schnittstelle - Schnittstellen	4 x 1000Base-X SFP, 48 x 1000Base-T RJ-45
Statusanzeiger	Link/Aktivität, Stromversorgung, System
Verschlüsselungsalgorithmus	SSL
Netzwerk - Formfaktor	An Rack montierbar
Ports - Typ	10/100/1000
Leistung	Durchsatz: 77,38 Mpps, Switching Fabric-Bandbreite: 104 Gbps
Anz. Anschlüsse	48
Untertyp	Gigabit Ethernet
Farbkategorie	Schwarz
Ports (zweite) - Typ	Gigabit SFP
Größe der MAC-Adresstabelle	16.000 Einträge

Weitere Bilder