Planet 10/100/1000T + 2-Port Managed L2/L4 Gigabit Ethernet 10/100/1000 Vollduplex Rack-Einbau 1U 8-Port + 100/1000X SFP Switch

Artikelnummer	999947630
Gewicht	1kg
Länge	1mm
Breite	1mm
Höhe	1mm

Produktbeschreibung

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Produktbeschreibung:

8x 10/100/1000BASE-T Gigabit RJ45 copper ports
2x 100/1000BASE-X SFP ports RJ45 console interface
for switch basic management and setup   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 (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 1 trunk group,
up to 2 ports per trunk group   Provides port
mirror (many-to-1) Loop protection to avoid broadcast
loops Supports ERPS (Ethernet Ring Protection
Switching) Quality of Service: Ingress/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/ACE MAC-based ACL/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 Management: IPv4 and IPv6 dual stack management Switch Management Interface Web switch management Console/Telnet Command Line Interface SNMP v1 and v2c switch management SSHv2, TLSv1.2 and SNMP v3 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 via HTTP/TFTP Dual Images 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 NMS System and Smart Discovery Utility for deployment management A Perfect Managed Edge Switch with Advanced L2/L4 Switching and Security:PLANET GS-4210-8T2S is an 8-Port Gigabit Managed Ethernet Switch with SFP interfaces specially designed to build a full Gigabit backbone to reliably transmit and forward data to remote network through fiber optic. It provides 8 10/100/1000BASE-T copper ports and 2 extra 100/1000BASE-X SFP fiber optic interfaces with built-in power system. Besides support for 20Gbps switch fabric to handle extremely large amounts of video, voice and important data in a secure topology, the GS-4210-8T2S provides user-friendly but advanced IPv6 / IPv4 management interfaces and abundant L2 / L4 switching functions. It is the best investment for businesses and SOHOs expanding or upgrading their network infrastructures. Cybersecurity Network Solution to Minimize Security Risks:The GS-4210-8T2S supports SSHv2 and TLS protocols to provide strong protection against advanced threats. It includes a range of cybersecurity features such as DHCP Snooping, ARP Inspection Protection, 802.1x port-based and network access control, RADIUS and TACACS+ user accounts management, SNMPv3 authentication, and so on to complement it as an all-security solution. Redundant Ring, Fast Recovery for Critical Network

Applications:The GS-4210-8T2S supports redundant
ring technology and features strong,
rapid self-recovery capability to prevent interruptions
and external intrusions.
It incorporates advanced ITU-T G.8032 ERPS (Ethernet
Ring Protection Switching) technology and Spanning
Tree Protocol (802.1s MSTP) into customer's network
to enhance system reliability and uptime in various
environments. Environmentally-friendly,
Fanless Design for Silent Operation:The GS-4210-8T2S
with a desktop-sized metal housing is designed
to operate quietly and effectively as it is fanless
and comes with optimal power output capability.
Thus, the GS-4210-8T2S can be deployed in any
environment without affecting its performance.
IPv6/IPv4 Dual Stack Management:Supporting both
IPv6 and IPv4 protocols,
the GS-4210-8T2S 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-4210-8T2S 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-4210-8T2S 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-4210-8T2S 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:The GS-4210-8T2S 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 and MAC-based user and device authentication.
With the private VLAN function, communication
between edge ports can be prevented to ensure user privacy.
The network administrators can now construct highly-secure
corporate networks with considerably less time
and effort than before.

Friendly and Secure Management:For efficient management,
the GS-4210-8T2S is equipped with Command line,
Web and SNMP management interfaces. With the built-in
Web-based management interface,
the GS-4210-8T2S offers an easy-to-use, platform-independent
management and configuration facility.
For text-based management, it can be accessed
via Telnet and the console port.? By supporting
the standard SNMP protocol,
the switch can be managed via any SNMP-based management software.
Moreover, the GS-4210-8T2S offers secure remote
management by supporting SSHv2,
TLSv1.2 and SNMP v3 connections which encrypt
the packet content at each session.
Flexible Long-distance Extension Solution:The
two mini-GBIC ports built in the GS-4210-8T2S
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 to 10/20/40/60/80/120
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-4210-8T2S
 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:

Allgemeines
Typ
Switch
Diverse Produktfeatures (Wasserdicht, Lautstärkeregler, ...)
Managed
Bauform
Rack-Modul
Schnittstellen/Konnektivität
Portzahl
8-Port
Übertragungsmodus
Voll-Duplex
Netzwerk
Netzwerkprotokolle
IPv6; SNMP
Netzwerkstandards
Ethernet
Netzwerkports
RJ-45
Technische Daten
Medium
Kupferdraht; Glasfaser (LWL)
Übertragungsrate
0,1 Gbps

Rack Höheneinheiten
1 HE

Weitere Bilder