

# Planet Switch managed 24 x Gigabit SFP + 8 x Shared 10/100/1000 an Rack montierbar

Artikelnummer 999947517

Gewicht 1kg

Länge 1mm

Breite 1mm

Höhe 1mm



## Produktbeschreibung

Planet Switch managed 24 x Gigabit SFP + 8 x Shared 10/100/1000 an Rack montierbar

Produktbeschreibung:

24x 100/1000Base-X mini-GBIC/SFP slots 8-port  
10/100/1000Base-T Gigabit Ethernet RJ-45,  
shared with Port-1 to Port-8 RJ45 to RS-232 DB9  
console interface for basic management and setup  
Redundant Power System Redundant 100~240V AC /  
36-60V DC dual power Active-active redundant power  
failure protection Backup of catastrophic power  
failure on one supply Fault tolerance and resilience  
Multi Port /  
Flexible Dual-speed Fiber Optic Connectivity for  
Long-reach Distance Solution PLANET's latest Layer  
2+ Managed Core Fiber Switches,  
GS-5220-16S8C and GS-5220-16S8CR, provide high-density  
performance and support IPv4 and IPv6 hardware  
Layer 3 static routing and 24 100/1000Base-X dual-speed  
SFP slots in a 1U case.  
With these ideal features, they are able to cross  
over different VLANs and different IP addresses  
for the purpose of having a highly-secured,  
flexible management and long-reach networking application.  
As a fiber backbone switch, they can flexibly  
work with suitable SFP transceivers to have a  
long connection of up to 120km via optic fiber cabling.  
They are well suited for SMBs, campuses and enterprises  
for their backbone and workgroup network applications  
by providing affordability,  
high performance, long distance and stable transmission quality.  
Intelligent SFP Diagnostic Mechanism The GS-5220-16S8C  
and GS-5220-16S8CR SFP slots support dual-speed,  
1000Base-SX / LX or 100Base-FX fiber transceivers;  
the distance can be extended from 550 meters to  
2 kilometers (multi-mode fiber) and up to 10/20/30/40/50/70/120  
kilometers (single-mode fiber or WDM fiber).  
They also support SFP-DDM (Digital Diagnostic

Monitor) function that greatly helps network administrator to easily monitor real-time parameters of the SFP, such as optical output power, optical input power, temperature, laser bias current, and transceiver supply voltage.

**Redundant AC / DC Power Supply to Ensure Continuous Operation** The GS-5220-16S8CR is particularly equipped with one 100~240V AC power supply unit and one 36~60V DC power supply unit to provide an enhanced reliable and scalable redundant power supply installation. The continuous power system is specifically designed to fulfill the demands of high tech facilities requiring the highest power integrity. With the 36~60V DC power supply, the GS-5220-16S8CR is able to act as a telecom level device that can be located in the electronic room.

**Effective Alarm Alert for Better Protection** The GS-5220-16S8C and GS-5220-16S8CR support a Fault Alarm feature which can alert the users when there is something wrong with the switches. With this ideal feature, the users would not have to waste time to find where the problem is. It will help to save time and human resource.

**Solution for IPv6 Networking Faced with the increasingly large number of IP cameras and wireless APs installed and deployed in all kinds of applications,** more and more network facilities start to support the IPv6 protocol for the next-generation networking. By supporting both the IPv4 and IPv6, and numerous management functions with easy and friendly management interfaces, the GS-5220-16S8C and GS-5220-16S8CR are the best choices for IP surveillance and wireless service providers to connect with the IPv6 network.

**Layer 3 IPv4 and IPv6 VLAN Routing for Secure and Flexible Management** The GS-5220-16S8C and GS-5220-16S8CR switches not only provide ultra high transmission performance, and excellent layer 2 and layer 4 technologies, but also layer 3 IPv4/IPv6 VLAN routing feature which allows to cross over different VLANs and different IP addresses for the purpose of having a highly-secured, flexible management and simpler networking application.

**Robust Layer 2 Features** The GS-5220-16S8C and GS-5220-16S8CR can be programmed for advanced switch management functions such as dynamic port link aggregation, Q-in-Q VLAN, private VLAN, Multiple Spanning Tree protocol (MSTP), Layer 2 to Layer 4 QoS, bandwidth control and IGMP/MLD Snooping. Via the link aggregation of supporting ports, the GS-5220-16S8C and GS-5220-16S8CR allow the operation of a high-speed trunk combining multiple fiber ports and support fail-over as well.

**Enhanced Security** The GS-5220-16S8C and GS-5220-16S8CR offer a 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. Furthermore, the GS-5220-16S8C and GS-5220-16S8CR provide 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.

**Efficient and Secure Management** The GS-5220-16S8C and GS-5220-16S8CR Managed Switches are equipped with console, Web and SNMP management interfaces. With the built-in Web-based management interface, the GS-5220-16S8C and GS-5220-16S8CR offer an easy-to-use, platform-independent management and configuration facility. The GS-5220-16S8C and GS-5220-16S8CR support standard Simple Network Management Protocol (SNMP) and can be managed via any management software that supports SNMP protocol. For text-based management, the GS-5220-16S8C and GS-5220-16S8CR can be accessed via Telnet. The console port with Cisco-like command line interface allows the users to make it work more easily. Moreover, the GS-5220-16S8C and GS-5220-16S8CR offer secure, remote management by supporting SSH, SSL and SNMPv3 connections which encrypt the packet content at each session.

Technische Details:

Allgemein

Gerätetyp

Switch - 24 Anschlüsse - managed

Gehäusetyp

An Rack montierbar

Untertyp

Gigabit Ethernet

Ports

24 x Gigabit SFP + 8 x Shared 10/100/1000

Leistung

Switching Fabric-Bandbreite: 48 Gbit/s

Durchsatz: 35,7 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) Queuing, Store-and-Forward, Broadcast Storm Control, Halbduplex-Modus, Vollduplex-Modus, Multicast Storm Control, Unicast Storm Control, Firmware aktualisierbar, DHCP-Snooping, Access Control List (ACL) Support, 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

24 x 1000Base-X SFP

8 x 1000Base-T RJ-45

1 x Verwaltung (RS-232) DB-9

Stromversorgung

Stromversorgungsgerät

Internes Netzteil

Erforderliche Netzspannung

Wechselstrom 120/230 V / Gleitstrom 48 V

Leistungsaufnahme im Betrieb

45 Watt

Verschiedenes

Produktzertifizierungen

FCC Part 15 A

Maße und Gewicht

Breite

44 cm

Tiefe

20 cm

Höhe

4,45 cm

Umgebungsbedingungen

Min Betriebstemperatur

0 °C

Max. Betriebstemperatur

50 °C

Zulässige Luftfeuchtigkeit im Betrieb

5 - 95 % (nicht kondensierend)

Min. Lagertemperatur

-10 °C

Max. Lagertemperatur

70 °C

Zulässige Luftfeuchtigkeit bei Lagerung

5 - 95 % (nicht kondensierend)

## Weitere Bilder

