

Planet Switch L3 managed 8 x 10/100/1000 + 4 x 10 Gigabit SFP+ an DIN-Schiene montierbar wandmontierbar AC 24 V / DC 12 48 V

Artikelnummer	999947607
Gewicht	1kg
Länge	1mm
Breite	1mm
Höhe	1mm



Produktbeschreibung

Planet Switch L3 managed 8 x 10/100/1000 + 4 x 10 Gigabit SFP+ an DIN-Schiene montierbar wandmontierbar AC 24 V / DC 12 48 V

Produktbeschreibung:

8x 10/100/1000BASE-T RJ45 copper ports 4x 10 GBASE-SR/LR SFP+ slots, compatible with 1000BASE-X and 2500BASE-X SFP

One RJ45-to-RS232 console interface for basic management and setup Industrial Hardened Design:

Dual power input,

redundant power with reverse polarity protection

DC 12 to 48V input or AC 24V input Active-active

redundant power failure protection Backup of catastrophic

power failure on one supply Fault tolerance and

resilience DIN-rail and wall-mountable designs

IP30 aluminum case Supports 6000V DC Ethernet

ESD protection -40 to 75 degrees C operating temperature

Digital Input and Digital Output: 2 digital input

(DI) 2 digital output (DO) Integrates sensors

into auto alarm system Transfers alarm to IP network

via email and SNMP trap Layer 3 IP Routing Features:

IP dynamic routing protocol supports OSPFv2 IPv4/IPv6

hardware static routing Routing interface provides

per VLAN routing mode Layer 2 Features: High performance

of Store-and-Forward architecture,

and runt/CRC filtering eliminates erroneous packets

to optimize the network bandwidth Storm control

support Broadcast/Multicast/Unknown unicast Supports

VLAN IEEE 802.1Q tagged VLAN Up to 4K VLANs groups,

out of 4095 VLAN IDs Supports provider bridging

(VLAN Q-in-Q IEEE 802.1ad) Private VLAN Edge (PVE)

Protocol-based VLAN MAC-based VLAN Voice VLAN

GVRP (GARP VLAN Registration Protocol) Supports

Spanning Tree Protocol IEEE 802.1D Spanning Tree

Protocol (STP) IEEE 802.1w Rapid Spanning Tree

Protocol (RSTP) IEEE 802.1s Multiple Spanning

Tree Protocol (MSTP),

spanning tree by VLAN BPDU Guard Supports Link

Aggregation 802.3ad Link Aggregation Control Protocol

(LACP) Cisco ether-channel (static trunk) Maximum 14 trunk groups, with 16 ports for each trunk Up to 80Gbps bandwidth (full duplex mode) Provides port mirror (many-to-1) Port mirroring to monitor the incoming or outgoing traffic on a particular port Loop protection to avoid broadcast loops Link Layer Discovery Protocol (LLDP) Compatible with Cisco uni-directional link detection(UDLD) that monitors a link between two switches and blocks the ports on both ends of the link if the link fails at any point between the two devices Supports G.8032 ERPS (Ethernet Ring Protection Switching) IEEE 1588 and Synchronous Ethernet network timing Quality of Service: Ingress shaper and egress rate limit per port bandwidth control 8 priority queues on all switch ports Traffic classification IEEE 802.1p CoS ToS/DSCP/IP Precedence of IPv4/IPv6 packets IP TCP/UDP port number Typical network application Strict priority and Weighted Round Robin (WRR) CoS policies Traffic-policing on the switch port DSCP remarking Voice VLAN Multicast: Supports IPv4 IGMP snooping v1, v2 and v3 Supports IPv6 MLD snooping v1 and v2 Querier mode support IPv4 IGMP snooping port filtering IPv6 MLD snooping port filtering MVR (Multicast VLAN Registration) Security: Authentication IEEE 802.1X Port-based/MAC-based network access authentication IEEE 802.1x authentication with guest VLAN Built-in RADIUS client to cooperate with the RADIUS servers RADIUS/TACACS+ users access authentication Guest VLAN assigns clients to a restricted VLAN with limited services Access Control List IP-based Access Control List (ACL) MAC-based Access Control List (ACL) Source MAC/IP address binding 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 IP address access management to prevent unauthorized intruder Management: IPv4 and IPv6 dual stack management Switch Management Interfaces Console and Telnet Command Line Interface HTTP web switch management SNMP v1 and v2c switch management SSH, TLS, SSL and SNMP v3 secure access SNMP Management Four RMON groups (history, statistics, alarms, and events) SNMP trap for interface Link Up and Link Down notification IPv6 IP address/NTP/DNS management Built-in Trivial File Transfer Protocol (TFTP) client BOOTP and DHCP for IP address assignment System Maintenance Firmware upload/download via HTTP Reset button for system reboot or reset to factory default Dual Images DHCP Relay DHCP Option 82 DHCP Server User Privilege levels control Network Time Protocol (NTP) Network Diagnostic SFP-DDM (Digital Diagnostic Monitor) Cable diagnostic technology provides the mechanism to detect and report potential cabling issues ICMPv6/ICMPv4 remote ping SMTP/Syslog remote

alarm System Log PLANET Smart Discovery Utility
for deployment management
Technische Details:

Allgemein

Gerätetyp

Switch - 12 Anschlüsse - L3 - managed

Gehäusotyp

An DIN-Schiene montierbar, wandmontierbar

Untertyp

Gigabit Ethernet

Ports

8 x 10/100/1000 + 4 x 10 Gigabit SFP+

Leistung

Switching Fabric-Bandbreite: 96 Gbit/s

Durchsatz (64-Byte Paketgröße): 71,42 Mpps

Share Data-Puffer: 32 Mbit/s

Kapazität

VLAN-Routingschnittstellen: 128

Jumbo-Rahmenunterstützung

10KB

Routing Protocol

IGMPv2, IGMP, OSPFv2, IGMPv3, statisches IPv4-Routing, statisches IPv6-Routing, MLDv2, MLD, MLDv3

Remoteverwaltungsprotokoll

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

Verschlüsselungsalgorithmus

SSL, TLS

Authentifizierungsmethode

RADIUS, TACACS+, Secure Shell v.2 (SSH2)

Leistungsmerkmale

DHCP Support, BOOTP-Unterstützung, Auto-Uplink (Auto MDI/MDI-X), IGMP Snooping, Syslog-Unterstützung, E-Mail-Meldung, WRR Queuing, Store-and-Forward, Broadcast Storm Control, Halbduplex-Modus, Vollduplex-Modus, Multicast Storm Control, Unicast Storm Control, STP Support, RSTP-Unterstützung, MSTP Support, DHCP-Snooping, ACL Support, QoS, IP Precedence, DHCP-Server, MLD-Snooping, DAI, Bandbreitensteuerung, UDLD, LACP-Support, LLDP-Support, DHCP-Relais, LACP, IP-MAC-Einbindung, SNMP-Trap, dynamischer ARP-Schutz, robust, MVR, CoS, gekennzeichnetes VLAN, TFTP-Client, 6KV ESD Protector, GVRP, SNMP-Unterstützung, PSE, ToS, PTP, DSCP-Unterstützung, ERPS, IGMP-Filterung, protokollbasierter VLAN-Support, IP-Quellwächter, ARP-Inspektion, Back Pressure Support, BPDU, Redundant Ring Technology, Link Aggregation, DDM, NTP, VLAN Double Tagging (Q-in-Q), PoE planen, MLD-Filterung, Voice VLAN, PVE, Private VLAN, WRR, MAC based VLAN, BPDU Guard

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 802.1ad, IEEE 802.3ah, IEEE 802.1ag, IEEE 802.1ab (LLDP), ITU-T G.8032, IEEE 1588v2

RAM

512 MB

Flash-Speicher

64 MB

Statusanzeiger

Stromversorgung, fehlschlagen, Link/Aktivität

Erweiterung/Konnektivität

Schnittstellen

8 x 1000Base-T RJ-45

4 x 10 GBase-SR/LR SFP+

1 x seriell (Konsole) RJ-45

Stromversorgung

Erforderliche Netzspannung

AC 24 V / DC 12 - 48 V

Leistungsaufnahme im Betrieb

30 Watt

Verschiedenes

Produktzertifizierungen

FCC Part 15 A, IP30, TLS, IEEE 1588, EN 60068-2-27, EN 60068-2-32, EN 60068-2-6, ITU-T G.8032, SSL

Maße und Gewicht

Breite

7,6 cm

Tiefe

10,7 cm

Höhe

15,2 cm

Gewicht

1,25 kg

Umgebungsbedingungen

Min Betriebstemperatur

-40 °C

Max. Betriebstemperatur

75 °C

Zulässige Luftfeuchtigkeit im Betrieb

5 - 95 % (nicht kondensierend)

Min. Lagertemperatur

-40 °C

Max. Lagertemperatur

85 °C

Produkteigenschaften

Netzwerk - Formfaktor

An DIN-Schiene montierbar, Wandmontierbar

Leistung

Share Data-Puffer: 32 Mbit/s, Switching Fabric-Bandbreite: 96 Gbit/s, Durchsatz (64-Byte Paketgröße): 71,42 Mp

Netzwerk - Typ

Switch

Statusanzeiger

Link/Aktivität, Stromversorgung, Fehlschlagen

**Bereitgestellte Schnittstelle -
Schnittstellen**

1 x seriell (Konsole) RJ-45, 8 x 1000Base-T RJ-45, 4 x 10GBase-SR/LR SFP+

Farbkategorie

Blau, Silber

Verschlüsselungsalgorithmus

SSL, TLS

Anz. Anschlüsse

12

Ports - Typ

10/100/1000

Untertyp

Gigabit Ethernet

Ports (zweite) - Typ

10 Gigabit SFP+

Kapazität - Kapazität

VLAN-Routingschnittstellen: 128

Leistungsaufnahme im Betrieb

30 Watt

Weitere Bilder

