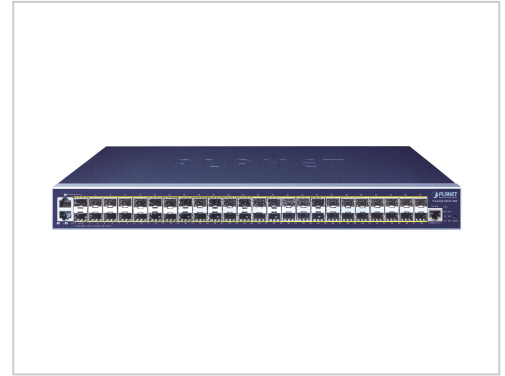


Planet Switch L3 managed 46 x Gigabit SFP + 4 x 1 Gigabit/10 SFP+ Uplink + 2 x combo 10/100/1000 / 1/10 an Rack montierbar AC 120/230 V/DC 36 60 V



Artikelnummer 999947535

Gewicht 1kg

Länge 1mm

Breite 1mm

Höhe 1mm

Produktbeschreibung

Planet Switch L3 managed 46 x Gigabit SFP + 4 x 1 Gigabit/10 SFP+ Uplink + 2 x combo 10/100/1000 / 1/10 an Rack montierbar AC 120/230 V/DC 36 60 V

Produktbeschreibung:

48x 100/1000BASE-X mini-GBIC/SFP slots 2x 10/100/1000BASE-T

RJ45 copper ports,

shared with Port-1 to Port-2 4x 10 GBASE-SR/LR SFP+ slots,

compatible with 1000BASE-SX/LX/BX SFP RS-232 RJ45

console interface for switch basic management

and setup Layer 3 IP Routing Features: IP dynamic

routing protocol supports OSPFv2 Routing interface

provides per VLAN routing mode Supports maximum

128 static routes and route summarization Supports

hardware-based wire-speed VLAN routing Layer

2 Features: Prevents packet loss with back pressure

(half-duplex) and IEEE 802.3x pause frame flow

control (full-duplex) 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 255 VLANs groups,

out of 4095 VLAN IDs Supports provider bridging (VLAN Q-in-Q,

IEEE 802.1ad) Private VLAN Edge (PVE) Port Isolation

MAC-based VLAN IP Subnet-based VLAN Protocol-based

VLAN VLAN Translation Voice VLAN GVRP (GARP VLAN

Registration Protocol) Supports Spanning Tree Protocol STP,

IEEE 802.1D Spanning Tree Protocol RSTP, IEEE

802.1w Rapid Spanning Tree Protocol MSTP,

IEEE 802.1s Multiple Spanning Tree Protocol, spanning

tree by VLAN BPDU Guard Supports Link Aggregation

802.3ad Link Aggregation Control Protocol (LACP)

Cisco ether-channel (static trunk) Maximum 26 trunk groups,

up to 16 ports per trunk group 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 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) 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 Supports QoS and In/Out bandwidth control on each port Traffic policies on the switch port DSCP remarking 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 Multicast VLAN Registration (MVR) support 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 Source MAC/IP address binding DHCP Snooping to filter un-trusted 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 Web switch management Console/Telnet Command Line Interface SNMP v1 and v2c switch management SSHv2, TLSv1.2 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 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 Option82 DHCP Server User Privilege levels control NTP (Network Time Protocol) UPnP Link Layer Discovery Protocol (LLDP) and LLDP-MED IEEE 802.3ah OAM Network Diagnostic SFP-DDM (Digital Diagnostic Monitor) ICMPv6/ICMPv4 Remote Ping Cable Diagnostic technology provides the mechanism to detect and report potential cabling issues SMTP/Syslog remote alarm System Log PLANET NMS System and Smart Discovery Utility for deployment management Technische Details:

Allgemein
Gerätetyp
Switch - 46 Anschlüsse - L3 - managed

Gehäusotyp

An Rack montierbar 1U

Untertyp

Gigabit Ethernet

Ports

46 x Gigabit SFP + 4 x 1 Gigabit/10 Gigabit SFP+ (Uplink) + 2 x Combo 10/100/1000 / 1/10 Gigabit SFP+

Leistung

Switching Fabric-Bandbreite: 176 Gbps

Durchsatz (64-Byte Paketgröße): 130 Mpps

Kapazität

VLAN-Gruppen: 255

VLAN IDs: 4094

IGMP-Gruppen: 255

MLD-Gruppen: 255

ACL-Einträge: 256

VLAN-Unterstützung: 128

Übertragungseinträge: 128

Größe der MAC-Adresstabelle

16.000 Einträge

Jumbo-Rahmenunterstützung

10KB

Routing Protocol

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

Remoteverwaltungsprotokoll

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

Verschlüsselungsalgorithmus

SSL, TLS 1.2

Authentifizierungsmethode

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

Leistungsmerkmale

Flusskontrolle, Auto-Negotiation, BOOTP-Unterstützung, VLAN-Unterstützung, IGMP Snooping, Syslog-Unterstützung, Port-Spiegelung, Store-and-Forward, Broadcast Storm Control, IPv6-Unterstützung, Halbduplex-Modus, Vollduplex-Modus, Multicast Storm Control, Unicast Storm Control, Firmware aktualisierbar, STP Support, RSTP-Unterstützung, MSTP Support, DHCP-Snooping, ACL Support, QoS, DHCP-Server, MLD-Snooping, DAI, Reset-Taste, Bandbreitensteuerung, IPv4-Unterstützung, LLDP-Support, DHCP-Relais, SNMP-Trap, MIB, Verhindern von Schleifenbildung, Anschlussisolierung, CoS, gekennzeichnetes VLAN, 6 KV Electrostatic Discharge Protection, GVRP, Metallgehäuse, ToS, DSCP-Unterstützung, ERPS, 2 Lüfter, protokollbasierter VLAN-Support, Systemprotokoll, IP-Quellwächter, Back Pressure Support, Port-Filterung, Redundant Ring Technology, Link Aggregation, MIB II, Dual-Bild Unterstützung, DDM, Voice VLAN, PVE, LLDP-MED, Ethernet OAM, WRR, MAC based VLAN, Loopback-Erkennung, Unknown Storm Control, BPDU Guard, Q-in-Q Tunneling, DNS-Unterstützung, 32 Mbit-Paketpuffer

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 802.3ae, IEEE 802.1s, IEEE 802.1ad, IEEE 802.3ah, IEEE 802.1ab (LLDP), UPnP, ITU-T G.8032

RAM

512 MB SDRAM

Flash-Speicher

64 MB

Statusanzeiger

Status, Link/Aktivität, Lüfter, Geschwindigkeit

Erweiterung/Konnektivität

Schnittstellen

2 x Gigabit LAN RJ-45/SFP

46 x 100 / 1000Base-X SFP

4 x 1/10Gbit LAN SFP+ Uplink

1 x Verwaltung (RS-232) RJ-45

Stromversorgung

Stromversorgungsgerät

Internes Netzteil

Installierte Anzahl

2

Max. unterstützte Anzahl

2

Redundante Stromversorgung

Ja

Plan für redundante Stromversorgung

1+1

Erforderliche Netzspannung

AC 100-240/ DC 36-60 V

Verschiedenes

Produktzertifizierungen

FCC Part 15 A

Maße und Gewicht

Breite

44 cm

Tiefe

20 cm

Höhe

4 cm

Gewicht

3,4 kg

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

