

# Planet IP30 IPv6/IPv4 4-Port 10/100/1000T 802.3bt 95W PoE+ Switch 1 Gbps Power over Ethernet RJ-45 Slim- Gehäuse

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Gewicht 1kg

Länge 1mm

Breite 1mm

Höhe 1mm



## Produktbeschreibung

Planet IP30 IPv6/IPv4 4-Port 10/100/1000T 802.3bt 95W PoE+ Switch 1 Gbps Power over Ethernet RJ-45 Slim-Gehäuse

Produktbeschreibung:

4x 10/100/1000BASE-T Gigabit Ethernet RJ45 ports with IEEE 802.3bt PoE++ Injector function 4x 10/100/1000BASE-T Gigabit Ethernet RJ45 ports with IEEE 802.3at PoE+ Injector function 2x 100/1000BASE-X SFP slots for SFP type auto detection Industrial Case and Installation: IP30 metal case Supports -40 to 75 degrees C operating temperature Supports ESD 6KV DC Ethernet protection Slim size with fixed wall-mounted design Power over Ethernet: Complies with IEEE 802.3bt Power over Ethernet Plus Plus and IEEE 802.3at Power over Ethernet Plus PSE Backward compatible with 802.3af PoE PSE Up to 4 IEEE 802.3bt devices powered Up to 8 IEEE 802.3af/802.3at devices powered Supports PoE power up to 95 watts for each PoE++ port Auto detects powered device (PD) Circuit protection prevents power interference between ports Remote power feeding up to 100m PoE management features Total PoE power budget control Per port PoE function enable/disable PoE admin-mode control PoE port power feeding priority Per PoE port power limit PD classification detection Sequence port PoE PoE extend mode control to support power feeding up to a distance of up to 160 meters Intelligent PoE features PoE usage threshold control PD alive check PoE schedule Layer 2 Features: Supports VLAN IEEE 802.1Q tagged VLAN Provider Bridging (VLAN Q-in-Q) support (IEEE 802.1ad) Protocol VLAN Voice VLAN 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) Link Layer Discovery Protocol (LLDP) 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 Interfaces Telnet Command Line Interface Web switch management SNMP v1, v2c, and v3 switch management SSHv2 and TLSv1.2 secure access SNMP Management Four RMON groups (history, statistics, alarms, and events) SNMP trap for interface Link Up and Link Down notification 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 SNTIP Network Time Protocol 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) Network Diagnostic ICMPv6/ICMPv4 Ping Test Cable diagnostic technology provides the mechanism to detect and report potential cabling issues SFP-DDM (Digital Diagnostic Monitor) PLANET UNI-NMS (Universal Network Management) and Smart Discovery Utility for deployment management Technische Details:

Allgemein  
Gerätetyp  
Switch - 8 Anschlüsse - L4 - managed

Gehäusotyp

Wandmontierbar

Untertyp

Gigabit Ethernet

Ports

2 x SFP + 8 x 10/100/1000 (PoE++)

Power Over Ethernet (PoE)

PoE++

PoE-Budget

360 W

Leistung

Switching Fabric-Bandbreite: 20 Gbit/s

Durchsatz (64-Byte Paketgröße): 14,88 Mpps

Share Data-Puffer: 4,1 Mbit/s

Kapazität

VLAN-Gruppen: bis zu 256

VLAN IDs: 4096

Größe der MAC-Adresstabelle

8000 Einträge

Jumbo-Rahmenunterstützung

10KB

Routing Protocol

IGMPv2, IGMPv3, MLD, MLDv2, DHCP

Remoteverwaltungsprotokoll

IPv4, DHCP, Telnet, SNMP 1, SNMP 2c, SNMP 3, SSH-2, TFTP, HTTP, RMON 1, RMON 2, RMON 3, RMON 9, MIB, MIB 2

Verschlüsselungsalgorithmus

TLS 1.2

Authentifizierungsmethode

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

Leistungsmerkmale

Auto-Uplink (Auto MDI/MDI-X), Metallgehäuse, Reset-Taste, 6KV ESD Protector (Kontaktentladung), 8KV ESD Protector

(Luftspaltentladung), Store-and-Forward, Flusskontrolle, scheduled power recycling, PoE planen, PoE usage monitoring, PoE

extension, PD Alive Check Unterstützung, active PoE device live detection, Port-Spiegelung, VLAN-Unterstützung, Voice VLAN,

Private VLAN, GVRP, BPDU Filter, BPDU Forward, BPDU Guard, STP Support, IGMP Snooping, IGMP Abfrager, MLD-Snooping,

QoS, ERPS, ACL Support, IP-MAC-Einbindung, MAC-Adressenfilter, AAA, DHCP-Snooping, DHCP-Relais, Schutz vor DoS-Angriffen,

ARP-Inspektion, IP-Quellwächter, LLDP-Support, SNTP-Unterstützung, CoS, ToS, WRR

Produktzertifizierungen

IEEE 802.3bt, IEEE 802.3x, IEEE 802.3at, IEEE 802.3af, IEEE 802.1Q, IEEE 802.1ad, IEEE 802.3ad (LACP), IEEE 802.1D, IEEE

802.1w, IEEE 802.1s, IEEE 802.1p, IEEE 802.1x, IEEE 802.3, IEEE 802.3u, IEEE 802.3z, IEEE 802.3ab, IEEE 802.1ab (LLDP), IEEE

802.3b, IEEE 802.3az

Statusanzeiger

System, PoE, Link/Aktivität, Port Status

Erweiterung/Konnektivität

Schnittstellen

2 x 100 / 1000Base-X SFP

8 x 10/100/1000 Base-T (PoE++) RJ-45

Stromversorgung

Stromversorgungsgerät

Internes Netzteil

Erforderliche Netzspannung

DC 48 - 54 V

Verschiedenes

Produktzertifizierungen

RFC1213, RFC1215, RFC1493, RFC2674, RFC2737, RFC2819, RFC2863, RFC3621, RFC3635, FCC Part 15 A, IP30

Maße und Gewicht

Breite

24,5 cm

Tiefe

14 cm  
Höhe  
3,6 cm  
Gewicht  
937 g  
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  
Zulässige Luftfeuchtigkeit bei Lagerung  
5 - 95 % (nicht kondensierend)

## Produkteigenschaften

<b>Verschlüsselungsalgorithmus</b>	TLS 1.2
<b>Ports (zweite) - Typ</b>	10/100/1000 (PoE++)
<b>Netzwerk - Typ</b>	Switch
<b>Statusanzeiger</b>	Link/Aktivität, PoE, Port Status, System
<b>Farbkategorie</b>	Blau, Grau
<b>Größe der MAC-Adresstabelle</b>	8000 Einträge
<b>Bereitgestellte Schnittstelle - Schnittstellen</b>	8 x 10/100/1000 Base-T (PoE++) RJ-45, 2 x 100 / 1000Base-X SFP
<b>Leistung</b>	Switching Fabric-Bandbreite: 20 Gbit/s, Share Data-Puffer: 4,1 Mbit/s, Durchsatz (64-Byte Paketgröße): 14,88 Mp
<b>Gewicht</b>	937 g
<b>Kapazität - Kapazität</b>	VLAN-Gruppen: bis zu 256, VLAN IDs: 4096
<b>Netzwerk - Formfaktor</b>	Wandmontierbar
<b>Untertyp</b>	Gigabit Ethernet
<b>Anz. Anschlüsse</b>	8
<b>Ports - Typ</b>	SFP (mini-GBIC)

## Weitere Bilder

