

Planet Switch verwaltet 8 x 10/100/1000 an DIN-Schiene montierbar

Artikelnummer 992007842

Gewicht 1kg

Länge 1mm

Breite 1mm

Höhe 1mm



Produktbeschreibung

Planet Switch verwaltet 8 x 10/100/1000 an DIN-Schiene montierbar

Produktbeschreibung:

8-Port 10/100/1000BASE-T RJ45 copper Industrial Case/Installation IP30 metal case protection DIN-rail and wall mount design Redundant power design - 12 to 48V DC, redundant power with polarity reverse protect function - AC 24V power adapter acceptable Supports EFT 6000VDC protection for power line Supports 6000VDC Ethernet ESD protection -40 to 75 degrees C operating temperature 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 - 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) Provides port mirror (many-to-1) Loop protection to avoid broadcast loops Quality of Service Ingress and 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 - MAC-based ACL
 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 SSH/SSL Management IPv4 and IPv6
 dual stack management Switch management interface
 - Web switch management - Telnet command line
 interface - SNMP v1,
 v2c and v3 - SSH and SSL 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
 through web interface - Dual images - Hardware
 reset button for system reboot or reset to factory
 default SNTP Network Time Protocol Cable diagnostics
 Link Layer Discovery Protocol (LLDP) 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 smart discovery
 utility Perfect,
 Slim-type Managed Switch with More Practicability
 and Convenience PLANET IGS-801M is an Industrial
 8-Port Full Gigabit Managed Ethernet Switch specially
 designed to transmit reliable but high-speed data
 in heavy industrial demanding environments.
 It provides 8-Port 10/100/1000BASE-T copper interfaces
 delivered in an IP30 rugged strong case with redundant power system.
 Besides support for 16Gbps switch fabric to handle
 extremely large amounts of video,
 voice and important data in a secure topology,
 the IGS-801M provides user-friendly but advanced
 IPv6/IPv4 management interfaces and abundant L2/L4
 switching functions.
 It is the best investment for industrial business
 expanding or upgrading its network infrastructure.
 Environmentally Hardened Design With IP30 industrial
 case protection,
 the IGS-801M provides a high level of immunity
 against electromagnetic interference and heavy
 electrical surges which are usually found on plant
 floors or in curb-side traffic control cabinets.
 It also possesses an integrated power supply source
 with wide range of voltages (12 to 48V DC or 24V
 AC) for worldwide high availability applications
 requiring dual or backup power inputs.

Being able to operate under the temperature range from -40 to 75 degrees C, the IGS-801M can be placed in almost any difficult environment.

Robust Layer 2 Features The IGS-801M 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 IGS-801M 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 IGS-801M 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 PLANET IGS-801M offers comprehensive IPv4/IPv6 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 user and device authentication, which can be deployed with RADIUS to ensure the port level security and block illegal users. With the protected port function, communication between edge ports can be prevented to guarantee user privacy. Furthermore, port security function allows to limit the number of network devices on a given port.

Advanced Network Security The IGS-801M also provides DHCP snooping, IP source guard and dynamic ARP inspection functions to prevent IP snooping from attack and discarded ARP packets with invalid MAC address. 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 IGS-801M is equipped with web, Telnet and SNMP management interfaces. With the built-in web-based management interface, the IGS-801M offers an easy-to-use, platform-independent management and configuration facility. By supporting the standard SNMP, the switch can be managed via any standard management software. For text-based management, the switch can be accessed via Telnet.

Moreover, the IGS-801M offers secure remote management by supporting SSH, SSL and SNMP v3 connections which encrypt the packet content at each session.

Technische Details:

Allgemein

Gerätetyp

Switch - 8 Anschlüsse - managed

Gehäusotyp

An DIN-Schiene montierbar

Untertyp

Gigabit Ethernet

Ports

8 x 10/100/1000

Leistung

Durchsatz: 11,9 Mpps

Non-Blocking Backplane-Geschwindigkeit: 16 Gbit/s

Kapazität

Virtuelle Schnittstellen (VLANs): 4096

Größe der MAC-Adresstabelle

8000 Einträge

Jumbo-Rahmenunterstützung

9KB

Remoteverwaltungsprotokoll

SNMP 1, RMON 1, SNMP 2c, HTTP

Leistungsmerkmale

Flusskontrolle, Netzwerk-Überwachung, Layer 2 switching, Auto-Negotiation, VLAN-Unterstützung, Auto-Uplink (Auto MDI/MDI-X), IGMP Snooping, Store-and-Forward, Broadcast Storm Control, Halbduplex-Modus, Vollduplex-Modus, Multicast Storm Control, Unicast Storm Control, Firmware aktualisierbar, Spanning Tree Protocol (STP) Support, unterstützt Rapid Spanning Tree Protocol (RSTP), Quality of Service (QoS), Jumbo-Frames-Support, Cable Diagnostics Function, LACP-Support, 176-KB-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

Statusanzeiger

Stromversorgung, Alarm, Link/Aktivität

Erweiterung/Konnektivität

Schnittstellen

8 x 1000Base-T RJ-45

Stromversorgung

Stromversorgungsgerät

Externer Netzadapter

Redundante Stromversorgung

Ja

Plan für redundante Stromversorgung

1+1

Leistungsaufnahme im Betrieb

8.2 Watt

Verschiedenes

Produktzertifizierungen

IEC 60068-2-27, IEC 60068-2-32, IEC 60068-2-6, FCC Part 15 A, IEC 60529 IP30

Maße und Gewicht

Breite

13,5 cm

Tiefe

8,7 cm

Höhe

3,2 cm

Gewicht
473 g
Umgebungsbedingungen
Min Betriebstemperatur
-10 °C
Max. Betriebstemperatur
60 °C
Zulässige Luftfeuchtigkeit im Betrieb
5 - 90% (nicht kondensierend)
Min. Lagertemperatur
-40 °C
Max. Lagertemperatur
85 °C
Zulässige Luftfeuchtigkeit bei Lagerung
5 - 90% (nicht kondensierend)

Produkteigenschaften

Netzwerk - Formfaktor	An DIN-Schiene montierbar
Netzwerk - Typ	Switch
Statusanzeiger	Link/Aktivität, Stromversorgung, Alarm
Gewicht	473 g
Leistung	Durchsatz: 11,9 Mpps, Non-Blocking Backplane-Geschwindigkeit:
Größe der MAC-Adresstabelle	8000 Einträge
Bereitgestellte Schnittstelle - Schnittstellen	8 x 1000Base-T RJ-45
Leistungsaufnahme im Betrieb	8,2 Watt
Ports - Typ	10/100/1000
Kapazität - Kapazität	Virtuelle Schnittstellen (VLANs): 4096
Produkttyp	Switch
Untertyp	Gigabit Ethernet
Anz. Anschlüsse	8
Redundante Stromversorgung	Ja

Weitere Bilder

