

Planet gemanaged L2 Gigabit Ethernet 10/100/1000 Energie Über PoE Unterstützung Schwarz Netzwerk-Switch 8 x 10/100/1000BaseT RJ-45 2 x 100/1000X SFP IP30 Aluminum

Artikelnummer	992007784
Gewicht	1kg
Länge	1mm
Breite	1mm
Höhe	1mm



Produktbeschreibung

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Produktbeschreibung:

- 8-Port 10/100/1000Base-T RJ-45 copper • 2 100/1000Base-X mini-GBIC/SFP slots,
- SFP type auto detection Industrial Case / Installation
- IP30 aluminum 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 protection 6000 VDC for power line
- Supports 6000 VDC 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 of Store-and-Forward architecture and runt/CRC filtering eliminates erroneous packets to optimize the network bandwidth
- Storm Control support ?- Multicast / Unknown-Unicast • Supports VLAN ?- IEEE 802.1Q Tagged VLAN ?- Up to 255 VLANs groups, out of 4095 VLAN IDs ?- Provider Bridging (VLAN Q-in-Q) support (IEEE 802.1ad) ?- Private VLAN Edge (PVE) ?- Protocol-based VLAN ?- MAC-based VLAN ?- Voice VLAN • 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 5 trunk groups,

up to 10 ports per trunk group ?- Up to 20Gbps bandwidth (duplex mode) • Provides Port Mirror (many-to-1) • Port Mirroring of the incoming or outgoing traffic on a particular port • Supports E.R.P.S. (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 ?- IP TOS / DSCP / IP Precedence ?- 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-policing policies on the switch port • DSCP remarking Multicast • Supports IGMP Snooping v1, v2 and v3 • Supports MLD Snooping v1 and v2 • Querier mode support • IGMP Snooping port filtering • MLD Snooping port filtering • MVR (Multicast VLAN Registration) Security • IEEE 802.1x Port-based / MAC-based network access authentication • Built-in RADIUS client to co-operate with the RADIUS servers • TACACS+ login users access authentication • RADIUS / TACACS+ users access authentication • IP-based Access Control List (ACL) • MAC-based Access Control List • Source MAC / IP address binding • DHCP Snooping to filter untrusted DHCP messages • Dynamic ARP Inspection discards ARP packets with invalid MAC address to IP address binding • IP Source Guard prevents IP spoofing attacks • Auto DoS rule to defend DoS attack • IP address access management to prevent unauthorized intruder Management • Switch Management Interfaces ?-Web switch management ?-Remote Telnet management ?-SNMP v1, v2c, and v3 switch management ?-SSH / SSL secure access • Four RMON groups (history, statistics, alarms, and events) • IPv6 IP Address / NTP / DNS management • Built-in Trivial File Transfer Protocol (TFTP) client • BOOTP and DHCP for IP address assignment • Firmware upload/download via HTTP / TFTP • DHCP Relay • DHCP Option 82 • User Privilege levels control • NTP (Network Time Protocol) • System Log • Link Layer Discovery Protocol (LLDP) Protocol • Cable Diagnostic technology provides the mechanism to detect and report potential cabling issues • Reset button for system reboot or reset to factory default • PLANET Smart Discovery Utility for deploy management PLANET IGS-10020MT is an Industrial 10-Port Full Gigabit Managed Ethernet Switch specially designed to build a full Gigabit backbone to transmit reliable but high speed data in heavy industrial demanding environments and forward data to remote network through fiber optic. It provides 8-port 10/100/1000Base-T copper and 2 extra 100/1000Base-X SFP fiber optic interfaces delivered in an IP30 rugged strong caïise with redundant power system. Besides support for 20Gbps switch fabric to handle extremely large amounts of video,

voice and important data in a secure topology, the IGS-10020MT 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 IPv6 / IPv4 Full-functioned Secure Switch for Building Automation Networking The IGS-10020MT is the ideal solution to fulfilling the demand of IPv6 management Gigabit Ethernet Switch,

especially in the Industrial hardened environment. It supports both IPv4 and IPv6 management functions and can work with original network structure. It provides advanced Layer 2 to Layer 4 data switching and redundancy,

Quality of Service traffic control, network access control and authentication, and Secure Management features to protect customer's industrial and building automation network connectivity with reliable switching recovery capability that is suitable for implementing fault tolerant and mesh network architectures.

Redundant Ring, Fast Recovery for Surveillance System The IGS-10020MT supports redundant ring technology and features strong rapid self-recovery capability to prevent interruptions and external intrusions. It incorporates advanced ITU-T G.8032 ERPS (Ethernet Ring Protection Switching) technology, Spanning Tree Protocol (802.1s MSTP), and redundant power input system into customer's industrial automation network to enhance system reliability and uptime in harsh factory environments. In certain simple Ring network, the recovery time of data link can be as fast as 20 ms.

Environmentally Hardened Design With IP30 aluminum industrial case protection, the IGS-10020MT 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-10020MT can be placed in almost any difficult environment.

Flexible and Extendable Solution The 2 mini-GBIC slots built in the IGS-10020MT support dual-speed, 100Base-FX and 1000Base-SX/LX SFP (Small Form-factor Pluggable) fiber-optic modules, meaning the administrator now can flexibly choose the suitable SFP transceiver according to the transmission distance or the transmission speed required to extend the network efficiently. The IGS-10020MT supports SFP-DDM(Digital Diagnostic Monitor) function that can easily monitor real-time parameters of the SFP for network administrator,

such as optical output power, optical input power, temperature, laser bias current, and transceiver supply voltage.

Technische Details:

Allgemein

Gerätetyp

Switch - 10 Anschlüsse - managed

Gehäusotyp

An DIN-Schiene montierbar, wandmontierbar

Untertyp

Gigabit Ethernet

Ports

8 x 10/100/1000 + 2 x Gigabit SFP

Leistung

Switching Fabric-Bandbreite: 20 Gbit/s

Bandbreite: 20 Gbit/s

Durchsatz: 14,8 Mpps

Kapazität

VLAN-Gruppen: 255

ACL-Einträge: 123

Virtuelle Schnittstellen (VLANs): 4095

Größe der MAC-Adresstabelle

8000 Einträge

Jumbo-Rahmenunterstützung

9KB

Routing Protocol

IGMPv2, IGMP, IGMPv3, MLDv2, MLD

Remoteverwaltungsprotokoll

SNMP 1, RMON, Telnet, SNMP 3, SNMP 2c, HTTP, SSH

Verschlüsselungsalgorithmus

SSL

Authentifizierungsmethode

RADIUS, TACACS+

Leistungsmerkmale

Flusskontrolle, Vollduplex-fähig, DHCP Support, Auto-Negotiation, BOOTP-Unterstützung, VLAN-Unterstützung, Auto-Uplink (Auto MDI/MDI-X), IGMP Snooping, Port-Spiegelung, Weighted Round Robin (WRR) Queuing, Store-and-Forward, IPv6-Unterstützung, Halbduplex-Modus, Vollduplex-Modus, Multicast Storm Control, Unicast Storm Control, Firmware aktualisierbar, Spanning Tree Protocol (STP) Support, unterstützt Rapid Spanning Tree Protocol (RSTP), Multiple Spanning Tree Protocol (MSTP) Support, DHCP-Snooping, Trivial File Transfer Protocol (TFTP) Support, Access Control List (ACL) Support, Quality of Service (QoS), SSH-Unterstützung, Jumbo-Frames-Support, MLD-Snooping, Dynamic ARP Inspection (DAI), Reset-Taste, Cable Diagnostics Function, Bandbreitensteuerung, IPv4-Unterstützung, LLDP-Support, DHCP-Relais, Link Aggregation Control Protocol (LACP), Multicast VLAN Registration (MVR), Class of Service (CoS), gekennzeichnetes VLAN, TFTP-Client, Denial of Service (DoS), 6KV ESD Protector, Type of Service (ToS), unterstützt DiffServ Code Point (DSCP), Ethernet Ring Protection Switching (ERPS), Systemprotokoll, Bridge protocol data unit (BPDU), Redundant Ring Technology, Link Aggregation, Digital Diagnostics Monitoring (DDM), 6KV EFT Schutz, Network Timing Protocol (NTP)

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 802.1ab (LLDP)

Statusanzeiger

Anschluß-Übertragungsgeschwindigkeit, Stromversorgung, fehlschlagen, Link/Aktivität

Erweiterung/Konnektivität

Schnittstellen

8 x 1000Base-T RJ-45

2 x 1000Base-X SFP

Stromversorgung

Stromversorgungsgerät

Internes Netzteil

Redundante Stromversorgung

Ja

Erforderliche Netzspannung

AC 24 V / DC 12 - 48 V

Leistungsaufnahme im Betrieb

10 Watt

Verschiedenes

Produktzertifizierungen

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

Maße und Gewicht

Breite

8,78 cm

Tiefe

13,5 cm

Höhe

5,6 cm

Gewicht

720 g

Umgebungsbedingungen

Min Betriebstemperatur

-40 °C

Max. Betriebstemperatur

75 °C

Zulässige Luftfeuchtigkeit im Betrieb

5 - 95 % (nicht kondensierend)

Min. Lagertemperatur

-40 °C

Max. Lagertemperatur

75 °C

Zulässige Luftfeuchtigkeit bei Lagerung

5 - 95 % (nicht kondensierend)

Weitere Bilder

