Planet gemanaged L2 Gigabit Ethernet 10/100/1000 Energie Über PoE Unterstützung Schwarz Netzwerk-Switch Industrial 4-Port 10/100/1000T 802.3at + + 2-Port 100/1000X SFP Managed Switch

Artikelnummer   992007862

Gewicht   1kg

Länge   1mm

Breite   1mm

Höhe   1mm

Produktbeschreibung

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Produktbeschreibung:

8-port 10/100/1000BASE-T Gigabit RJ45 copper with 4-port IEEE 802.3at/af PoE Injector (Port-1 to Port-4) 2x 100/1000BASE-X mini-GBIC/SFP slots, SFP type auto detection RJ45 console interface for switch basic management and setup   Power over Ethernet Complies with IEEE 802.3at Power over Ethernet Plus, end-span PSE Backward compatible with IEEE 802.3af Power over Ethernet Up to 4 ports of IEEE 802.3af/802.3at devices powered Supports PoE power up to 36 watts for each PoE port Auto detects powered device (PD) Circuit protection prevents power interference between ports Remote power feeding up to 100 meters PoE management - Total PoE power budget control - Per port PoE function enable/disable - PoE port power feeding priority - Per PoE port power limitation - PD classification detection - PD alive-check - PoE schedule   Industrial Case & Installation IP30 aluminum case DIN-rail and wall-mount design Supports -40 to 75 degrees C operating temperature Supports ESD 6KV DC Ethernet protection Redundant power design - 48V~56V DC wide power input   Switching Hardware based 10/100Mbps (half/full duplex), 1000Mbps (full duplex), auto-negotiation and auto MDI/MDI-X Features Store-and-Forward mode with wire-speed filtering and forwarding rates IEEE 802.3x flow control for full duplex operation and back pressure for half duplex operation 8K MAC address table size 10K jumbo frame Automatic

address learning and address aging Supports CSMA/CD protocol   Layer 2 Features Supports VLAN - IEEE 802.1Q tagged VLAN - Provider bridging (VLAN Q-in-Q, IEEE 802.1ad) support - Protocol VLAN - Voice VLAN - Private VLAN (Protected port) - 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 4 trunk groups, up to 4 ports per trunk group Provides port mirror (many-to-1) Loop protection to avoid broadcast loops   Quality of Service Ingress/Egress Rate Limit per port bandwidth control 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, v3 Supports IPv6 MLD snooping v1, v2 IGMP querier mode support IGMP snooping port filtering MLD snooping port filtering   Security Storm Control support - Broadcast/unknown unicast/unknown multicast Authentication - IEEE 802.1X port-based network access authentication - Built-in RADIUS client to cooperate with the RADIUS servers - DHCP Option 82 - RADIUS/TACACS+ authentication Access Control List - IPv4/IPv6 IP-based ACL - IPv4/IPv6 IP-based ACE - MAC-based ACL - MAC-based 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 Interface - IPv4/IPv6 Web switch management - Console and telnet Command Line Interface - SNMP v1, v2c, v3 - SSH and SSL secure access User privilege levels control Built-in Trivial File Transfer Protocol (TFTP) client Static and DHCP for IP address assignment System Maintenance - Firmware upload/download via HTTP/TFTP - Configuration upload/download through HTTP/TFTP - Hardware reset button for system reboot or reset to factory default - Dual images SNTP Network Time Protocol Cable diagnostics 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) PLANET Smart Discovery Utility   Ideal, Cost-effective, Manageable PoE Solution for Hardened Environment Designed to be installed in heavy industrial demanding environments, the IGS-4215-4P4T2S is the new generation of PLANET

Industrial-grade,
DIN-rail type L2/L4 Managed Gigabit PoE+ Switch
featuring PLANET intelligent PoE functions to
improve the availability of critical business applications.
It provides IPv6/IPv4 dual stack management and
built-in L2/L4 Gigabit switching engine along
with 4 10/100/1000BASE-T ports featuring 30-watt 802.3at PoE+,
4 additional Gigabit copper ports and another
2 extra 100/1000BASE-X SFP fiber slots for data
and video uplink.
The IGS-4215-4P4T2S is able to operate reliably,
stably and quietly in any environment without
affecting its performance.
It comes with a total power budget of up to 144
watts for different kinds of PoE applications
and operating temperature ranging from -40 to
75 degrees C in a rugged IP30 metal housing.
   Built-in Unique PoE Functions for Powered Devices
Management As it is the managed PoE switch for surveillance,
wireless and VoIP networks, the IGS-4215-4P4T2S
features the following special PoE management
functions: PD alive check Scheduled power recycling
PoE schedule PoE usage monitoring   Intelligent
Powered Device Alive Check The IGS-4215-4P4T2S
can be configured to monitor connected PD (Powered
Device) status in real time via ping action.
Once the PD stops working and responding, the
IGS-4215-4P4T2S will resume the PoE port power
and bring the PD back to work.
It will greatly enhance the network reliability
through the PoE port resetting the PD's power
source and reducing administrator management burden.
   Scheduled Power Recycling The IGS-4215-4P4T2S
allows each of the connected PoE IP cameras or
PoE wireless access points to reboot at a specific
time each week.
Therefore, it will reduce the chance of IP camera
or AP crash resulting from buffer overflow.
   PoE Schedule for Energy Saving Under the trend
of energy saving worldwide and contributing to
environmental protection,
the IGS-4215-4P4T2S can effectively control the
power supply besides its capability of giving
high watts power.
The "PoE schedule" function helps you to enable
or disable PoE power feeding for each PoE port
during specified time intervals and it is a powerful
function to help SMBs or enterprises save power and budget.
It also increases security by powering off PDs
that should not be in use during non-business hours.
   PoE Usage Monitoring and Intelligent LED Indicator
for Real-time PoE Usage Via the power usage chart
in the web management interface,
the IGS-4215-4P4T2S enables the administrator
to monitor the status of the power usage of the
connected PDs in real time.
Thus, it greatly enhances the management efficiency
of the facilities.

Moreover, the IGS-4215-4P4T2S helps users to monitor
the current status of PoE power usage easily and
efficiently via its advanced LED indication.
Called "PoE Power Usage", the front panel of the
IGS-4215-4P4T2S has four LED indicators of different power usages.
 Environmentally Hardened Design With the IP30
aluminum industrial case,
the IGS-4215-4P4T2S 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
without air conditioner.
Being able to operate under the temperature range
from -40 to 75 degrees C,
the IGS-4215-4P4T2S can be placed in almost any
difficult environment.
 IPv6/IPv4 Dual Stack Management Supporting both
IPv6 and IPv4 protocols,
the IGS-4215-4P4T2S helps the system integrators
to step in the IPv6 era with the lowest investment
as its network facilities need not be replaced
or overhauled if the IPv6 network is set up.
 Robust Layer 2 Features The IGS-4215-4P4T2S
can be programmed for advanced switch management
functions such as dynamic port link aggregation,
802.1Q VLAN, Q-in-Q VLAN, Multiple Spanning Tree
Protocol (MSTP),
Loop and BPDU Guard, IGMP Snooping, and MLD Snooping.
Via the link aggregation, the IGS-4215-4P4T2S
allows the operation of a high-speed trunk to
combine with multiple ports such as a 16Gbps fat pipe,
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-4215-4P4T2S
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/unicast storm control,
per port bandwidth control, 802.1p/CoS/IP DSCP
QoS priority and remarking.
It guarantees the best performance in VoIP and
video stream transmission,
and empowers the enterprises to take full advantage
of the limited network resources.
 Friendly and Secure Management For efficient management,
the IGS-4215-4P4T2S is equipped with web, Telnet
and SNMP management interfaces.
With the built-in web-based management interface,
the IGS-4215-4P4T2S 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-4215-4P4T2S offers secure remote
management by supporting SSH,
SSL and SNMP v3 connections which encrypt the

packet content at each session.
   Advanced Network Security PLANET IGS-4215-4P4T2S
offers a comprehensive IPv4/IPv6 Layer 2 to Layer
4 Access Control List (ACL) for enforcing security to the edge.
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, the IGS-4215-4P4T2S 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.
   Flexibility and Long-distance Extension Solution
The two mini-GBIC slots built in the IGS-4215-4P4T2S
support SFP auto-detection and dual speed as it
features 100BASE-FX and 1000BASE-SX/LX SFP (Small
Form-factor Pluggable) fiber transceivers to uplink
to backbone switch and monitoring center in long distance.
The distance can be extended from 550 meters to
2 kilometers (multi-mode fiber) and up to 10/20/30/40/50/60/70/120
kilometers (single-mode fiber or WDM fiber).
They are well suited for applications within the
enterprise data centers and distributions.
   Intelligent SFP Diagnosis Mechanism The IGS-4215-4P4T2S
supports SFP-DDM (Digital Diagnostic Monitor)
function that greatly helps network administrator
to easily monitor real-time parameters of the SFP,
such as optical output power, optical input power,
temperature, laser bias current, and transceiver
supply voltage.
Technische Details:

Allgemein
Gerätetyp
Switch - managed
Gehäusetyp
An DIN-Schiene montierbar
Untertyp
Gigabit Ethernet
Ports
4 x 10/100/1000 + 4 x 10/100/1000 (PoE) + 4 x SFP
Power Over Ethernet (PoE)
PoE
PoE-Budget
144 W
Leistung
Switching Fabric-Bandbreite: 20 Gbit/s
Durchsatz (64-Byte Paketgröße): 14,8 Mpps
Kapazität
VLAN IDs: 4094
Größe der MAC-Adresstabelle
8000 Einträge

Jumbo-Rahmenunterstützung
10KB
Routing Protocol
IGMPv2, IGMP, IGMPv3, statisches IPv4-Routing, statisches IPv6-Routing, MLDv2, MLD, MLDv3
Remoteverwaltungsprotokoll
SNMP 1, Telnet, SNMP 3, SNMP 2c, HTTP, CLI
Verschlüsselungsalgorithmus
SSL
Authentifizierungsmethode
Secure Shell (SSH), RADIUS, TACACS+
Leistungsmerkmale
VLAN-Unterstützung, Auto-Uplink (Auto MDI/MDI-X), IGMP Snooping, Store-and-Forward, Spanning Tree Protocol (STP)-
Unterstützung, Rapid Spanning Tree Protocol (RSTP)-Unterstützung, Multiple Spanning Tree Protocol (MSTP)-Unterstützung,
Unterstützung für Access Control List (ACL), Quality of Service (QoS), MLD-Snooping, robust, gekennzeichnetes VLAN, 6KV ESD
Protector
Produktzertifizierungen
IEEE 802.3, IEEE 802.3u, IEEE 802.1D, IEEE 802.1Q, IEEE 802.3ab, IEEE 802.1p, IEEE 802.3af, IEEE 802.3x, IEEE 802.3ad
(LACP), IEEE 802.1w, IEEE 802.1x, IEEE 802.1s, IEEE 802.1ab (LLDP), IEEE 802.3at
Statusanzeiger
Stromversorgung, fehlschlagen, PoE, Link/Aktivität
Erweiterung/Konnektivität
Schnittstellen
4 x 1000Base-T RJ-45
4 x 1000Base-T RJ-45 PoE - 30 W
1 x Konsole RJ-45
2 x 1000Base-X SFP
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
16,1 cm
Tiefe
10,7 cm
Höhe
7,2 cm
Gewicht
1,004 kg
Herstellergarantie
Service & Support
Begrenzte Garantie - 5 Jahre
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

Bereitgestellte Schnittstelle - Schnittstellen	4 x 1000Base-T RJ-45, 4 x 1000Base-T RJ-45 PoE - 30 W, 1 x Konsole RJ-45, 2 x 1000Base-X SFP
Netzwerk - Formfaktor	An DIN-Schiene montierbar
Netzwerk - Typ	Switch
Ports (dritte) - Typ	SFP (mini-GBIC)
Statusanzeiger	Link/Aktivität, PoE, Stromversorgung, Fehlschlagen
Gewicht	1,004 kg
Größe der MAC-Adresstabelle	8000 Einträge
Menge	4
Verschlüsselungsalgorithmus	SSL
Service und Support - Typ	5 Jahre Garantie
Leistung	Switching Fabric-Bandbreite: 20 Gbit/s, Durchsatz (64-Byte Paketgröße): 14,8 Mpp
Ports - Typ	10/100/1000
Ports (zweite) - Typ	10/100/1000 (PoE)
Untertyp	Gigabit Ethernet
Farbkategorie	Schwarz
Kapazität - Kapazität	VLAN IDs: 4094

Weitere Bilder