



IGU-1271 Version: 1

! Power supply unit is to be ordered separately.

TURING 12-Port L3 Lite Managed Gigabit Industrial Switch, 4 x SFP, DIN-Schiene, -40°C to 75°C

The LevelOne IGU-1271, a L3 Lite Managed Industrial Switch with 8 ports of Gigabit RJ45 and 4 ports of Gigabit SFP. This switch is offering full suite of L2 management features, including advanced L3 features such as Static Route that delivers better cost performance and lower total cost of ownership in enterprise networks via fiber or copper connections.

Key-features

- 8 Gigabit-PoE-Anschlüsse und 4 Gigabit SFP slots
- Unterstützt IPv4/IPv6
- Minimiert den Stromverbrauch durch moderne Energieeffizienz (IEEE-802.3az)
- Unterstützt Betriebs-, Administrations- und Wartungs-Mechanismen (OAM)
- Ethernet-Ring-Schutzschaltung (ERPS) für Ethernet-Ring Topologien mit Failover von unter 50ms
- -40°C bis 75 °C Betriebstemperaturbereich
- Redundante Netzeingänge mit Anschlussblock

Specifications

Systemeigenschaften

Standards & Protokolle:

- IEEE 802.3 10-BASE-T (Ethernet)
- IEEE 802.3u 100-BASE-TX (Fast Ethernet)
- IEEE 802.3ab 1000BASE-T (Gigabit Ethernet)
- IEEE 802.1D MAC Bridges
- IEEE802.1p priority tags
- IEEE802.1Q VLAN
- IEEE802.3ac
- IEEE 802.1ab (LLDP)
- IEEE802.3ad Link aggregation control protocol
- IEEE802.1w Fast Spanning Tree
- 802.1d Standard Spanning Tree
- IEEE 802.3ah OAM
- IEEE 802.1ag CFM (ITU-T Y.1731 Performance monitoring)
- IEEE802.1s I Multiple Spanning Tree (MSTP)
- IEEE802.1X authentication
- IEEE802.3az Energy Efficient Etherne

**Speicher:**

RAM : 128 MB

Flash : 32 MB

Pufferspeicher:

0.5 MB

Buchse:

8 (10M/100M/1G) RJ45 ports, 4 GbE SFP ports and 1 RJ45 console port

Taster:

Reset Button

Indikator:

Power, System, Alarm, Ring Master, Coupling, Port Status

Übertragungsmethode:

Store-and-Forward

Leistungsaufnahme:

12VDC ~ 48VDC

Backplane (Gbps):

Switching Bandwidth: 24Gbps

Forwarding Performance : 17.856Mpps

MAC-Adresstabelle:

8k

Datenrate:

10/100/1000Mbps

Funktionen

Allgemein:

Switch Management:

DHCP:Client, Relay, Option 66, Option 67, Option 82

Event/Error Log:Syslog, SMTP (RFC821)

Management Access Filtering:SNMP, Web, Telnet, SSH

SNMP (v1, v2c, v3)

RMON (1,2,3 & 9 Groups)

Software Upgrade

Configuration Export/Import

Port Mirroring

LLDP (IEEE802.1AB)

LLDP-MED (IEEE802.1AB)

CDP Aware

sFlow

IPv6 Management

NTP

Sicherheit:

ACLs:L2/L3/L4

ACLs:IPv6 Support

Port Security (MAC-based)

IP Source Guard

Storm Control

RADIUS Authentication 802.1x

TACACS+ Authentication

HTTPs and SSL (Secured Web)

BPDU Guard

STP Root Guard

DHCP Snooping

Loop Protection

Management:

Switch Management:

DHCP: Client, Relay, Option 66, Option 67, Option 82
Event/Error Log: Syslog, SMTP (RFC821)
Management Access Filtering: SNMP, Web, Telnet, SSH
SNMP (v1, v2c, v3)
RMON (1,2,3 & 9 Groups)
Software Upgrade
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CDP Aware
sFlow
IPv6 Management
NTP

L3-Funktionen:

Static Route
DHCP Server

Benutzerfreundlichkeit:

Firmware and Configuration: Upgrade via HTTP

Leistung

Weiterleitungsrate:

17.856Mpps

Jumbo-Frames:

9216 Bytes

Schaltleistung:

24Gbps

Environment

Energieeffizienz:

IEEE 802.3az Energy Efficient Ethernet:

- Automatically turns power off on RJ-45 port when detecting link down or Idle of client
- Cable length detection: Adjusts the signal strength based on the cable length
- Reduces the power consumption for cables shorter

Wärmeableitung:

full loading: 36.03 BTU/hr

Temperatur bei Betrieb (°C):

Operating: -40°C ~ 75°C

Storage: -40°C ~ 85°C

Luftfeuchtigkeit bei Betrieb:

Storage: 10% ~ 90%

Operating: 10 ~ 90%

Einsatzort:

DIN-RAIL

Abmessungen

Abmessungen (W x D x H mm):

62x 130x 135



Gewicht:
680g

Zuverlässigkeit

MTBF:
25°C: 476,206(hr)
75°C: 92,110(hr)

Approval and Compliance

Zertifizierung:
FCC,CE

Sicherheit:
UL,CB

andere:
DMS

Order Information

IGU-1271

Package Contents

IGU-1271
Konsolenkabel
Ressource CD (Bedienungsanleitung, QIG)
Montageset
Quick Installation Guide

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