

IGX-2072 20-Port L2 Plus Managed Industrial Switch, 8 x 1GbE RJ45, 8 x 1GbE SFP, 4 x 1/2.5/10GbE SFP+, DIN-Rail, -40°C to 80°C

Product Images



Short Description

- Offers comprehensive connectivity with 8 10/100/1000Base-T RJ45, 8 100/1000Base-X SFP ports and 4 1G/2.5G/10GBase-X SFP+ ports.
- Ensures reliable operation with redundant 12-75V DC power supply, advanced surge protection (6KV), and ESD protection (Air-15kV, Contact-8kV).
- Designed for harsh environments with fanless IP40 Din-rail enclosure and wide operating temperature range (-40°C to +80°C).
- Delivers uninterrupted operation through G.8032 ERPS protocol with <20ms recovery

time.

- Supports advanced Layer 2 features including VLAN, STP/RSTP/MSTP, Link Aggregation, QoS, and IGMP Snooping for optimized network performance.
- Offers robust management options through Web, SNMP, CLI, Telnet, and SSH interfaces.
- Provides enhanced security with 802.1X authentication, port isolation, and ACL.
- Enables advanced network routing with IPv4/IPv6 static routing and DHCP server.

Description

The LevelOne IGX-2072 is a rugged design L2+ managed industrial Ethernet switch designed for demanding environments. With its 8 Gigabit RJ45 ports, 8 Gigabit SFP ports, and 4 10-Gigabit SFP+ ports, it offers comprehensive Layer 2 management and rapid failover capabilities. This switch ensures uninterrupted operations with its ERPS redundant network, boasting a sub-20ms recovery time, it offers exceptional connectivity and bandwidth for mission-critical industrial applications.

Additional Information

Harmonized System (HS) code	851762
Customs product code (TARIC)	8517620000
Power Redundancy	Dual Power Input
Color	Black
EAN	4015867239285
Model Number	IGX-2072
Features	<p>Layer 2 functions Port aggregation ■ GE port aggregation ■ 2.5GE aggregation ■ 10GE aggregation ■ Static aggregation ■ LACP dynamic aggregation ■ Up to 64 aggregation groups and up to 8 ports per group Port features ■ Support IEEE802.3x flow control ■ Support interface counters ■ Support port isolation ■ Port mirroring (One-to-One, Many-to-One) ■ Support loop detection(Port-based; VLAN-based) ■ Support broadcast storm suppression(broadcast; unknown multicast; unknown unicast) Mac-address table management ■ Static Mac-address management ■ Dynamic Mac-address Management ■ Filtering Mac-address ■ MAC limit based on port and VLAN ■ MAC flapping based on port and VLAN GVRP ■ Normal mode ■ Fixed mode ■ Forbidden mode VLAN ■ Support access mode ■ Support trunk mode ■ Support hybrid mode VLAN classification ■ Mac Based VLAN ■ IP Based VLAN ■ Protocol Based VLAN QinQ ■ Port-based QinQ ■ VLAN-based QinQ(VLAN-stacking; VLAN-mapping) ■ Flow-based QinQ Ring network protocol ■ Support IEEE802.1D-STP ■ Support IEEE802.1W-RSTP ■ Support IEEE802.1S-MSTP ■ Support G.8032 ERPS protocol, single ring, sub Ring and major ring Recovery time ≤20ms Multicast functions ■ IGMP snooping ■ Group address LLDP (Link Layer Discovery Protocol)</p>

Management	<p>User Management ● Support password protection ● Support user authorization management SNMP ● Supporting SNMP V1/V2C/V3 version Web Management ● Support HTTP V1.1 ● Support HTTPS CLI management ● Console/Telnet command line management RMON ● Support RMON(Remote Monitoring) alarm Firmware upgrade Fault Detection ● Ping/Tracerout ● Dying gasp ● Support DDM function Cable detection ● Support copper port cable detection NTP ● Network Time Protocol Syslog/Debug ● Syslog send to three servers Configuration import/export ● Support FTP/TFTP remote import/export ● Support USB import/export Dual partition management ● Support dual partition switching</p>
Security	<p>ACL ■ IP Standard ACL ■ MAC extend ACL ■ IP extend ACL ■ IPv6 ACL QoS ■ Support QoS Class, remarking ■ Support SP, WRR queue scheduling ■ Ingress port-based rate-limit ■ Egress port-based rate-limit ■ Support policy-based QoS 802.1x ■ Port access control ■ Mac-address access control ■ RADIUS server IP source guard ■ IP Port/MAC binding ARP-check ■ Support ARP-check and ARP packet filtering for illegal users Access control ■ Support Telnet/SSH/HTTP/HTTPS user access control Port-security</p>
Grade	Industrial
PoE Supported	No
Manageable	Yes
Fanless	Yes
Approval and Compliance	● CE ● UKCA ● FCC Part 17, Subpart B Class B ● RoHS
Operating humidity	10% RH ~ 90% RH
Operating temperature	-40°C ~ 80°C
Storage humidity	5% RH ~ 95% RH
Storage temperature	-40°C ~ 85°C
Package Contents	● IGX-2072 ● Console Cable ● Power Terminal Block ● Din-rail Mount Kit ● Quick Installation Guide ● Declaration of Conformity
Switching capacity	112 Gbps

Product weight (kg)	1.79
Dimensions (W x D x H)	96 x 115 x 158 mm
Data Rate	10Gbps, 1Gbps
Power supply included	No
Power input	12-75VDC (Redundant power input)
Power consumption	27W (Full loading)
MTBF	200,000 hours
Port Configuration	8x 10/100/1000 Ethernet ports, 8x 100/1000 SFP ports, 4x 1G/2.5G/10G SFP+ ports
IP grade	IP40
Standard	<ul style="list-style-type: none"> ● IEEE 802.3 10Base-T Ethernet ● IEEE 802.3u 100Base-TX Ethernet ● IEEE 802.3ab 1000Base-T Ethernet ● IEEE 802.3z 1000Base-X Ethernet ● IEEE802.3x Flow Control and Back Pressure ● IEEE 802.1D Spanning Tree Protocol ● IEEE 802.1w Rapid Spanning Tree Protocol ● IEEE 802.1Q VLAN ● ITU-T G.8032 ERPS ● IEEE 802.1X Port Authentication Network Control ● IEEE 802.1ab LLDP ● IEEE 802.3ad LACP
Mount	DIN rail mount
MAC address table	16 K
Jumbo frame (KB)	10
Indicators	<ul style="list-style-type: none"> ● SYS (System status indicator) ● P1/ P2 (Power1/2 indicator) ● USB (USB status indicator) ● Ring (Ring network indicator)
Packet buffer	12 Mbit
Backplane (Gbps)	112

