

IGU-2872 28-Port L2 Plus Managed Gigabit Fiber Industrial Switch, 4x 1.25/2.5GbE SFP, 16x 1.25GbE SFP, 8x Gigabit SFP/RJ45 Combo, Redundant Power Supply, -40°C to 80°C

Product Images



Short Description

High-Density Connectivity and Flexibility

Offers comprehensive connectivity options with 16 100/1000Base-X SFP, 8x Gigabit SFP/RJ45 Combo, and 4*1G/2.5GBase-X SFP ports.

Enhanced Reliability and Performance

Ensures uninterrupted operation with redundant AC/DC power supply, advanced surge protection (6KV), and ESD protection (Air-15kV, Contact-8kV).

Delivers high availability 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.

Advanced Management and Security

Simplifies configuration and upgrades with USB one-key functionality.

Offers robust management options through Web, SNMP, CLI, Telnet, and SSH interfaces.

Provides enhanced security with 802.1X authentication, port isolation, and ACL.

Robust Layer 3 Capabilities

Enables advanced network routing with IPv4/IPv6 static routing and DHCP server.

Environmental Adaptability

Designed for harsh environments with fanless IP40 rack-mount enclosure and wide operating temperature range (-40°C to +80°C).

Description

The LevelOne IGU-2872 is a rugged L2+ managed industrial Ethernet switch built for demanding environments. Designed to excel in industrial automation, 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. Its wide operating temperature range, AC/DC Redundant power supply, and fanless design ensure uninterrupted operation in harsh industrial conditions. Ideal for large-scale industrial networks, the IGU-2872 provides the foundation for efficient and secure operations.

Additional Information

Customs product code (TARIC)	851762
Features	Layer 2 functions Port aggregation ● Support GE port aggregation ● Support 2.5GE aggregation ● Support static aggregation ● Support 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 ● Support static Mac-address management ● Support dynamic Mac-address Management ● Support filtering Mac-address ● Support MAC limit based on port and VLAN ● Support MAC flapping based on port and VLAN VLAN ● Support access mode ● Support trunk mode ● Support hybrid mode ● Mac Based VLAN ● IP Based VLAN ● Protocol Based VLAN QinQ ● Port-based QinQ ● VLAN-based QinQ (VLAN-stacking; VLAN-mapping) ● Flow-based QinQ GVRP ● Normal mode ● Fixed mode ● Forbidden mode LLDP ● Link Layer Discovery Protocol 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
Management	● Support LLDP ● Support user management and login authentication ● Support SNMP V1/V2C/V3 ● Support web management, HTTP1.1, HTTPS ● Support Syslog and alarm grading ● Support RMON(Remote Monitoring) alarm ● Support NTP ● Support temperature monitoring ● Support Ping , TRACERT ● Support optical transceiver DDM function ● Support TFTP Client ● Support Telnet Server ● Support SSH Server ● Support IPv6 Management ● Support TFTP, web upgrading
Security	● Port access control ● Mac-address access control ● Support Dot1x, port authentication, MAC authentication, RADIUS service ● Support port-security ● Support IP Source Guard, IP/Port/MAC binding ● Support ARP-check and ARP packet filtering for illegal users ● Support port isolation ● Telnet ● SSH ● HTTP ● HTTPS

PoE Supported	No
Fanless	Yes
Manageable	Yes
Grade	Industrial
Approval and Compliance	● CE ● UKCA ● FCC Part 18, 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	● IGU-2872 ● Power Terminal Block ● Power Cord ● Console Cable ● 19" Rack Mount Kit ● Quick Installation Guide ● Declaration of Conformity
Switching capacity	68 Gbps
Dimensions (W x D x H)	440 x 280 x 45 mm
Product weight (kg)	4.14
Color	Black
EAN	4015867238608
Model Number	IGU-2872
IP grade	IP40
Packet forwarding rate	101.1 Mpps
Indicators	● Power ● System ● USB
Jumbo frame (KB)	10
MAC address table	16 K
Mount	19" rack mount, Desk mount
MTBF	200,000 hr
Packet buffer	12 Mbit
Port Configuration	8x Gigabit RJ45/SFP combo, 16x 1000Base-X SFP slots, 4x 1000/2500Base-X SFP slots

Power consumption	36W (full loading on)
Power input	● 36-75VDC *2 ● 100-240VAC (Redundant power input)
Power supply	100-240 VAC, 50-60 Hz
Power supply included	Yes
Standard	● 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 MAC Bridges (STP) ● IEEE 802.1d Standard Spanning Tree Protocol (RSTP) ● IEEE 802.1s Multiple Spanning Tree (MSTP) ● IEEE 802.1Q VLAN ● ITU-T G.8032 ERPS ● IEEE 802.1X Port Authentication Network Control ● IEEE 802.1ab LLDP ● IEEE 802.3ad LACP

