DATASHEET

28-Port L3 Lite Managed Gigabit PoE Switch,4x10GbE SF-P+ 24 PoE-Ports 400W PoE







General data

24 Gigabit PoE ports and 4 10-Gigabit SFP slots
Total PoE power budget: 400W, up to 30W per port
IEEE 802.3af/at PoE compliant for easy deployment and installation
Supports port-based VLAN and IEEE 802.1Q VLAN tagging
IEEE 802.1d/w/s Spanning Tree Protocol (STP) and port mirroring
Supports unknown unicast/broadcast/multicast storm control
IP multicast filtering through IGMP Snooping V1/V2/V3
IEEE 802.3ad LACP for automatic port aggregation
Supports IPv4/IPv6 network operation

The LevelOne GTP-2871, from the most modern layer management generation, is equipped with 24 PoE ports and 4 10G SFP+ ports. It offers powerful Layer3-lite and Layer2 features, enhanced PoE functionality and a total PoE budget of 400W. The switch also supports advanced IPv6 management, IPv6 security and IPv6 multicast control to accommodate the growth of IPv6 deployment. In addition, with an exceptional price-performance ratio.

The PoE-capable GTP-2871 has IEEE 802.3af/at certification, so that there are no challenges associated with standardized end devices. It is therefore ideal for companies that want to operate VoIP telephones, wireless access points or network cameras. The GTP-2871 supports up to 30W output power per PoE port, giving you power

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distribution flexibility for a variety of PoE PD devices. Adapt your network infrastructure as your business grows and save operational costs with easier management.

General
Color: Black

Features
L2 features:
● Spanning Tree Protocol
● 802.1D Spanning Tree Protocol (STP)
● 802.1w Rapid Spanning Tree Protocol (RSTP)
● 802.1s Multiple Spanning Tree Protocol (MSTP)
● MAC Address Table
● Up to 16K entries
● Protocol Based VLAN
● IP Subnet-based VLAN
● MAC-based VLAN
● IEEE 802.1Q VLAN
● Q-in-Q
● DHCP client
● DHCP snooping
● Multicast (IGMP V1,V2,V3 / IGMP snooping)
● ACL (IP Standard ACL, MAC extend ACL, IP extend ACL)
● QoS
● ARP (ARP table aging)
L3 features:
● IPv4/IPv6 static routing
Management ● LLDP
● User management and login authentication
● SNMP V1/V2C/V3
● Web management□HTTP1.1□HTTPS
● Syslog
● RMON (Remote Monitoring) alarm, event and history record
● NTP
● Temperature monitoring
● Ping□Tracert
● Optical transceiver DDM function
● TFTP client
● Telnet servers
● SSH servers
● IPv6 management
● PoE management
Security
● Dot1x□port authentication□mac authentication□RADIUS service

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28-Port L3 Lite Managed Gigabit PoE Switch,4x10GbE SF-P+ 24 PoE-Ports 400W PoE

● Port security
● IP source guard□IP/Port/MAC binding
● Support arp-check and ARP packet filtering for illegal users
● Port isolation

Miscellaneous
Data rate Gigabit and 10-Gigabit Ethernet
PoE power budget 400.00 watts
PoE Supported Yes
Concurrent ports 28.00 ports
Fanless No
Manageable Yes
Grade Commercial
Non-disclosure
Embedded system Linux

Others
Approvals and Compliance ● FCC Part 15 Subpart B
● CE mark
● EN IEC 62368-1
● EN 55032
● EN 55035
● EN 61000-3-2/3
● RoHS
Operating humidity 10% RH ~ 90% RH
Operating temperature 0°C ~ 50°C
Storage humidity 5% RH ~ 90% RH
Storage temperature -40°C ~ 75°C

scope of delivery
● GTP-2871
● Power cord
● Console Cable
● 19" Rack Mount Kit
● Quick Installation Guide
● Declaration of Conformity

Physical Specifications
Dimensions (W x D x H) 440 x 245 x 44 mm
Product weight (kg) 3.5
System specifications
Acoustic noise (dB) 45
Backplane (Gbit/s) 128
Flash memory size 512 MB

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28-Port L3 Lite Managed Gigabit PoE Switch,4x10GbE SF-P+ 24 PoE-Ports 400W PoE

Heat dissipation 136.48 BTU/hr
indicator
● Power
● Link/Active
● PoE
Jumbo frames (KB) 10
MAC address table 16K
Attachment 19" rack mount, desk mount
MTBF 534,057 hrs
Packet buffer 12 Mbits
Pin assignment and polarity 1/2 (+), 3/6 (-)
Energy consumption 440W (full loading PoE on)
Power supply 100-240 VAC, 50-60 Hz
RAM size 256 MB
Standards
● IEEE 10BASE-T (IEEE 802.3)
● IEEE 100BASE-TX (IEEE 802.3u)
● IEEE 1000BASE-T (IEEE 802.3ab)
● IEEE 802.3z (1000BASE-X) transceivers
● IEEE 802.3ad Dynamic Link Aggregation (2.5GE)
● IEEE802.3x flow control
● IEEE 802.1Q VLANs (Supports 4K)
● IEEE 802.1D Spanning Tree Protocol (STP)
● IEEE 802.1w Rapid Spanning Tree Protocol (RSTP)
● IEEE 802.1s Multiple Rapid Spanning Tree Protocol (MSTP, 64 instances)
● IEEE 802.3af Power over Ethernet (PoE)
● IEEE 802.3at Power over Ethernet Plus (PoE+)

Technical properties	
10 Gigabit Ethernet	True
Ethernet	True
Fast Ethernet	True
Gigabit Ethernet	True
Manageable	True
Manufacturer	LevelOne
Mounting method	482.6 mm (19 inch) mounting
Number of ports PoE	24
Power over Ethernet (PoE)	802.3 at (PoE+)

Available variants

ArtNr.	**Bezeichnung**	**Max. PoE power**

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28-Port L3 Lite Managed Gigabit PoE Switch,4x10GbE SF-P+ 24 PoE-Ports 400W PoE

GTP-2871	28-Port L3 Lite Managed Gigabit PoE Switch,4x10GbE SFP+ 24 PoE-Ports 400W PoE	400 W

Note on Intended Use

This data sheet is intended solely to describe the technical characteristics of the product. It does not replace an assessment of the product's suitability for a specific application. The user is responsible for ensuring that the product is used in accordance with its technical specifications and applicable legal and regulatory requirements.

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