28 Port Level 2+ Managed PoE+ Switch

Gigabit Enterprise switch with 400W total PoE+ output
Model: OL-GS3428CP-4C

ovolink
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Product Description

Lea Networks' Ovolink Smart Level 2+ Managed Gigabit PoE+ Network Switch is an ideal solution for increasingly complex business and industrial networks.

The GS3428CP-4C provides highly configurable network capabilities, up to 30W PoE+ power, and flexible hybrid RJ-45/SFP ports to enable today's network engineers to create a stable, remotely managed, and reliable data delivery solution.

An integrated easy to use web-based UI with Level 2+ Smart Managed protocols allows for easy set up and exacting control of every port.

Features

- Fast Reliable Network Performance: The Ovolink GS3428CP-4C 28 Port PoE+ switch not only supports the traditional STP/RSTP/MSTP protocol, but also supports the industrial redundant network protocol and G.8032 (ERPS), which provides fast service switching and self-healing protection for your network.

- High Port Count: Includes 24 gigabit/PoE+ RJ-45 ports, 4 gigabit combo RJ-45/SFP ports, and an RJ-45 serial (console) port. Ensures flexibility and expandability.

- Smart Level 2+ Management: Supports web UI management, CLI (command line) SNMP and other diversified management and maintenance methods. Support GVRP, dynamic distribution, registration and attribute propagation of VLAN, reducing the amount of manual configurating needed, and ensures network wide configuration control.

- Industrial Environment Design: wide operating temp range of -40°C to +75°C, 6kV lightning protection on each port to protect against transient damage. The design also meets EN61000 requirements for EMC and ESD port protection.

- Flexible Gigabit Performance: 10/100/1000Mbps auto-negotiating ports. Simple to use web-based UI supports VLAN, QoS, and broadcast storm suppression, making the network more stable. Supports IGMP snooping V1/2/3 levels.

- High Power and Configurable PoE+: Up to 30W PoE+ on each port, 400W total output. Port output power is individually manageable, to ensure port up time and power sharing. Web UI offers real-time power use statistics and monitoring.

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Specifications

Dimensions	440 x 280 x 44 mm / 17.3 x 11.0 x 1.73 inches
Electrical Characteristics	PoE+ DC output voltage: 54 Vdc nominal, up to 0.55A each port, total output 400W max Transient protection against over-voltage on each network port Over-current protection on each network PoE port
Protocol /Standards	IEEE802.3ab Gigabit Ethernet IEEE 802.3at/af PoE/PoE+ ITU-T K.21 basic level EN61000-4-2 (ESD 4kV contact, 8kV air discharge) EN6100-4-3 (EMI) EN61000-4-5 (6kV lightning transient) IP30 (enclosure rating)
Ethernet Bandwidth	Ports 1-28 10/100/1000Mbps auto-negotiating, SFP up to 10Gbps
Max Packet Rate	41Mpps forwarding rate
Max Bandwidth	56Gbps maximum backbone feed
Interfaces	24x RJ-45 network GigE ports w/PoE+ 4x RJ-45 network GigE ports (25-28 are non-PoE) 4x SFP input port 1x RJ-45 Serial (Console) port
Temperature	Operating: -40 to +75°C (32°F to 113°F) Storage: -40 to +85°C (-4°F to 158°F) Relative humidity 10 to 90% non-condensing
Regulations	FCC part 15 (Radiated Emission class B product) ROHS (2011/65/EU directive)
Mounting	Desktop or 1RU 19" rack mount with included hardware

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Software Functions

Ethernet	Supports LLDP, static MAC control, MAC address Learning Number Limitation (address depth of 16k), port mirroring and stream mirroring, port aggregation (max 8 ports per group), port isolation, ERPS, STP/RSTP, MSTP, dynamic link aggregation (IEEE 802.3ad), static port aggregation
VLAN	Supports 802.1Q (max of 4k VLANs), protocol-based VLANs, IP-subset VLANs, MAC-based VLANs, guest VLANs
IP Routing	Supports static & dynamic routing, RIP, and OSPF
DHCP	Supports DHCP relay, DHCP client, Snooping, and Snooping Option 82
Multicast	Supports IGMP V1/V2/V3 Snooping
QoS	Supports Diff-Serv QoS, WRR/HQ-HRR scheduling, 802.1p, DSCP Priority Mapping, Strategy QoS, bi-direction rate limits on ports
ACL	Supports IPv4, IPv6 ACL, MAC ACL
Security	Supports graded user management and password protection, SSHv2 for secure encrypted user login, SSL for secure data transmission, controllable IP address FTP login and passwords, ARP prevention, unknown multicast, unicast or broadcast message prevention, TTL=1 and protocol attack prevention, DoS attack prevention, MAC address restriction, IP-MAC-Port-VLAN port binding function, IEEE 802.1x, SAVI source address validation, HWTACACS, SNMPv3 secure network management, broadcast message suppression, CPU attack prevention
PoE Management	Supports global power output control, port power and enable/disable control, port output priority control
System Management	Supports over the network updating, console, AUX modem, Telnet, SSH2.0, command line interface configuration, advanced web-UI interface, FTP, TFTP, Xmodem, SFTP upload/downloading, SNMP V1/V2/V3, NTP time control, system logs download

LEA Part Number	Description
OL-GS3428CP-4C	28 Port Gigabit PoE+ Switch, 400W total output, 4x SFP port