



**Design for harsh industrial environments  
 stable and reliable**

- ✓ Industrial Level 4
- ✓ IP40 protection
- ✓ CE,FCC certificated
- ✓ Anti-EMI

**10/100/1000M Managed Industrial PoE Switch**

**LV-GYP306**

Introduction	Image
<p>This managed PoE Industrial Ethernet Switch is designed for critical industrial application, with reliable and simple operation against vibration and shock and other disturbances. It is classified as power source equipment (PSE) and provides up to 30W of power per PoE ports, eliminates the need of additional wiring.</p> <p>With the wide temperature range for operation, this switch meets the requirements of reliability and practicality of network in different kinds of industrial environments.</p>	 

Features & Benefits
6 IEEE 802.3af/at PoE compliance 10/100Base-T(X) ports and 3 1000Base-X SFP ports
“OP-Ring” (recovery time<20ms), RSTP/STP, and MSTP for network redundancy
Configurable by CLI for advanced PoE management function
Port-based VLAN, IEEE802.1Q VLAN and GVRP to ease network planning
DHCP Option 82 for IP address assignment with different policies
IGMP snooping and GMRP for filtering multicast traffic
Ethernet/IP and Modbus/TCP industrial Ethernet protocol supported
Bandwidth management prevents unpredictable network status
SNMPv3, IEEE802.1X, HTTPS and SSH to enhance network security
RMON for efficient network monitoring and proactive capability
Lock port allows access by only authorized MAC addresses
Port mirroring for online debugging



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Automatic warning by exception through email, relay output
QoS and ToS/DiffServ for flow control and management
IEEE 802.3ad, LACP for optimum bandwidth utilization

<b>Physical Characteristics</b>
Housing: Aluminum Alloy material with IP40 Protection
Dimension: 138mm(L) X 112mm(W) X 60mm(H)
Weight: 710g
Installation: Din-Rail mounting, Wall mounting

<b>Technology</b>
<b>Protocol:</b> OP-Ring, IGMPv1/v2, GVRP, SNMPv1/ v2C/ v3, DHCP Client, TFTP, SMTP, RMON, HTTP, HTTPS, Telnet, Syslog, SSH, SNMP Inform, LLDP, SNT Service/ Client, PVLAN
<b>MIB:</b> MIB-II, Ethernet-Like MIB, P-BRIDGE MIB, Q-BRIDGE MIB, Bridge MIB, RSTP MIB, RMON MIB Group 1,2,3,9
<b>Flow Control:</b> IEEE 802.3x flow control, back pressure flow control

<b>Switch Properties</b>
Priority Queues: 4
Maximum No of Available VLANs: 256
VLAN ID: 1-4094
IGMP Groups: 256
MAC Table Size: 8K
Packet Buffer Size: 1Mbit

<b>Interfaces</b>
SFP Port: 1000Base-X, SFP interface



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RJ45 Port: 10/100Base-T(X) auto negotiation
802.3af/at PoE Port: Up to 30W at 48-50V DC power output on each PoE port, 600mA
Console Port: RS-232(RJ45 connector)
Alarm Contact: 1 replay outputs, supports IP/MAC conflict

<b>Power</b>
Input Voltage: 48V DC Redundant dual inputs
Input Current: <0.5A @48VDC
Overload Current Protection: Present
Reverse Polarity Protection: Present
Redundant Protection: Present
Connection: 1 removable 6-pin terminal blocks

<b>Environmental Limits</b>
Operating Temperature: -40°C to +85°C
Storage Temperature: -40°C to +85°C
Ambient Relative Humidity: 5% to 95% (non-condensing)

<b>Standards</b>
IEEE 802.3af/at PoE
IEEE 802.3 for 10BaseT
IEEE 802.3u for 100BaseT(X)
IEEE 802.3x for Flow Control
IEEE 802.1D-2004 for Spanning Tree Protocol
IEEE 802.1w for Rapid Spanning Tree Protocol
IEEE 802.1s for Multiple Spanning Tree Protocol
IEEE 802.1Q for VLAN Tagging
IEEE 802.1p for Class of Service



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IEEE 802.1X for Authentication
IEEE 802.3ad for Port Trunk with LACP
EMS:
EN61000-4-2 (ESD), Level 3
EN61000-4-3 (RS), Level 3
EN61000-4-4 (EFT), Level 3
EN61000-4-5 (Surge), Level 3
EN61000-4-6 (CS), Level 3
EN61000-4-16(Common-mode Conduction), Level 3
Shock: IEC 60068-2-27
Free Fall: IEC 60068-2-32
Vibration: IEC 60068-2-6
EMI: FCC CFR47 Part 15, EN55022/CISPR22, Class A
Industry: IEC61000-6-2
Rail: EN50155, EN50121-4
Traffic: NEMA TS-2

<b>Warranty</b>
5 years

<b>Models Available</b>	
<b>Model No</b>	<b>Description</b>
LV-GYP306	3*1000M SFP Slot and 6*10/100M PoE Port, 1 Console Port