

LBT416GS-M-SFP

16-port 10//100/1000BASE-TX+4G SFP Managed Industrial Switch



Slim Type with more Practicability and Convenience

LBT416GS-M-SFP is a hardened 20-port Industrial Ethernet Switch, providing non-blocking wire-speed performance in harsh industrial environments. It also provides 16-port 10/100/1000BASE-TX RJ45 +4G SFP delivered in an IP40 rugged, strong case with a redundant power system. Its slim case is suitable for such applications as surveillance system deployments, control management and wireless service in climatically demanding environments with a wide temperature range from -40° C to 80° C.

The **LBT416GS-M-SFP** provides the flexibility to all kinds of 10/100/1000Mbps Ethernet Media on RJ-45 port and performs highly stable fiber performance.

The **LBT416GS-M-SFP** is packaged in a compact IP40 case that allows either DIN rail or panel mounting to have efficient usage of cabinet space. It provides an integrated power supply with a wide range of voltages for worldwide operation. It also offers dual-redundant, reversible polarity 12V DC to 52V DC power supply inputs for high availability applications requiring dual or backup power inputs.

Interface

- 16-port 10/100/1000Base-Tx RJ-45 with auto negotiation and auto-MDI/ MDI-X function
- 4-port gigabit SFP

Industrial conformance

- 12V to 52V DC, redundant power input
- -40°C to 85°C operating temperature
- IP40 aluminum housing
- Supports 6KV DC Ethernet ESD protection
- Supports 6KV DC EFT protection for power line
- Free Fall, Shock and Vibration Stability
- DIN-rail and wall-mountable hardware design

L2 management

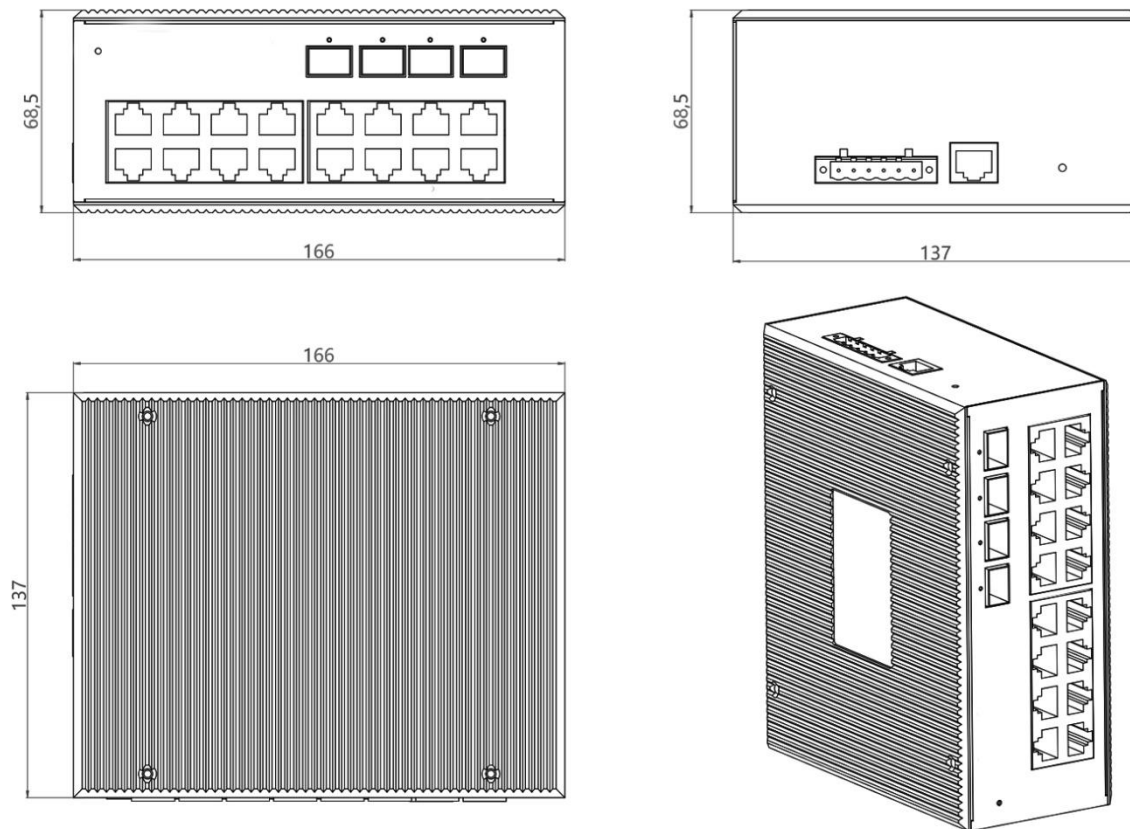
- Support STP/RSTP/MSTP
- Web management, CLI
- IGMP snooping, QOS, VLAN, SNMP

Specifications:

Model No.	LBT416GS-M-SFP
1000Base-TX Port	16 port RJ-45 auto-MDI / MDI-X
1000Base-FX Port	4G SFP Slot
Performance Specification	Bandwidth: 56Gbps Packet Buffer Memory: 12Mbit Packet Forwarding Rate: 42Mpps MAC Address Table: 8K
Installation	DIN rail
Maximum Frame Size	10240bytes packet size
Flow Control	Back pressure for half duplex, IEEE 802.3x pause frame for full duplex
Enclosure	IP40 Aluminum housing
LED Indicator	Power: Red Fiber: Link 2(Green) Ethernet: Yellow
Power Input	12 to 52V DC redundant power
Power Consumption	< 10W
Surge protection	± 4KV
Network Protocols	IEEE802.3 10BASE-T; IEEE802.3i 10Base-T; IEEE802.3u;100Base-TX/FX; IEEE802.3ab 1000Base-T; IEEE802.3z 1000Base-X; IEEE802.3x;
Network cables	10BASE-T: Cat3,4,5 UTP(≤100 meter) 100BASE-TX: Cat5 or later UTP(≤100meter) 1000BASE-TX: Cat6 or later UTP(≤100 meter)
	EN55022/CISPR22, Class A IEC61000-4-2 (ESD): ±8kV (contact), ±12kV (air)

Industry Standard	IEC61000-4-3 (RS): 10V/m (80~1000MHz) IEC61000-4-4 (EFT): Power Port: $\pm 4\text{kV}$; Data Port: $\pm 2\text{kV}$ IEC61000-4-5 (Surge): Power Port: $\pm 2\text{kV/DM}$, $\pm 4\text{kV/CM}$; Data Port: $\pm 2\text{kV}$ IEC61000-4-6 (CS): 3V (10kHz-150kHz); 10V (150kHz-80MHz) IEC61000-4-16 (Common mode conduction): 30V (cont.), 300V (1s)
Certification	CE RoHS compliance
MTBF	>300,000hours
Dimensions (W x D x H)	166 × 137 × 68.5mm
Weight	Product Weight: 1.18KG Packing Weight: 1.3KG
Working Environment	Working temperature: $-40\sim 80^{\circ}\text{C}$; Storage temperature: $-40\sim 80^{\circ}\text{C}$ Relative Humidity: 5%~95 % (no condensation)
Warranty	5-year warranty.

Dimensions



Ordering Information

LBT416GS-M-SFP	16-port 10/100/100BASE-TX+4G SFP Managed Industrial Switch
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