

LBT48BGS-SFP

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



LBT48BGS-SFP is a hardened 12-port Industrial Ethernet Switch, providing non-blocking wire-speed performance in harsh industrial environments. It also provides 8-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 **LBT48BGS-SFP** provides the flexibility to all kinds of 10//100/1000Mbps Ethernet Media on RJ-45 port and performs highly stable fiber performance.

The **LBT48BGS-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.

Features

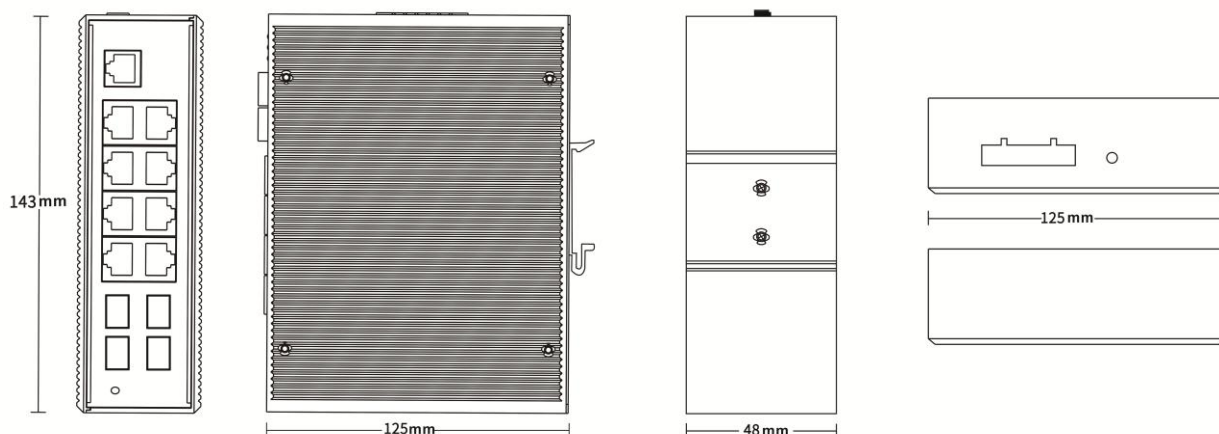
- Data control: support 802.3x full duplex flow control, support network storm suppression
- Redundant network: support STP/RSTP/MSTP, support ERPS (self-healing time <20ms)
- Support IPv6, static routing
- Support DHCP Server, DHCP relay, QoS
- Multicast management: Support IGMP Snooping, IGMP V1/V2/V3; Support GMRP, static multicast
- Support port-based VLAN Port, IEEE 802.1Q VLAN and GVRP protocol, simple network planning
- QoS: Support QoS (IEEE 802.1p/1Q) and TOS/Diffserv to increase network stability
- Security management: support ACL access control list, support 802.1x, support user classification management
- Management function: support Web, SNMP management mode
- Monitoring maintenance: support port mirroring, interface status monitoring, log management
- Alarm function: support power supply, port, abnormal state relay output
- Support 1588 clock protocol

Specifications:

Model No.	LBT48BGS-SFP
1000Base-TX Port	8 port RJ-45 auto-MDI / MDI-X
1000Base-FX Port	4G SFP Slot
Performance Specification	Bandwidth(switch capacity): 76Gbps Packet Buffer Memory:16Mbit Packet Forwarding Rate: 56Mpps MAC Address Table: 8K
Installation	DIN rail
Maximum Frame Size	9600bytes
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	<10 watts
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)	143x 125x 48 mm
Weight	Product Weight: 1.25KG Packing Weight: 1.4KG
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

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