

LBTD016G

16-port 10/100/1000BASE-TX Industrial Ethernet Switch



Slim Type with more Practicability and Convenience

LBTD016G an hardened 8-port Industrial Ethernet Switch, provides non-blocking wire-speed performance in harsh industrial environment. It also provides 16-port 10/100/1000BASE-TX RJ45 copper interfaces delivered in an IP40 rugged, strong case with 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 wide temperature range from -40°C to 80°C.

The LBTD016G series provides the flexibility to all kinds of 10/100Mbps Ethernet Media on RJ-45 port and performs highly stable fiber performance.

The LBTD016G series 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

Industrial conformance

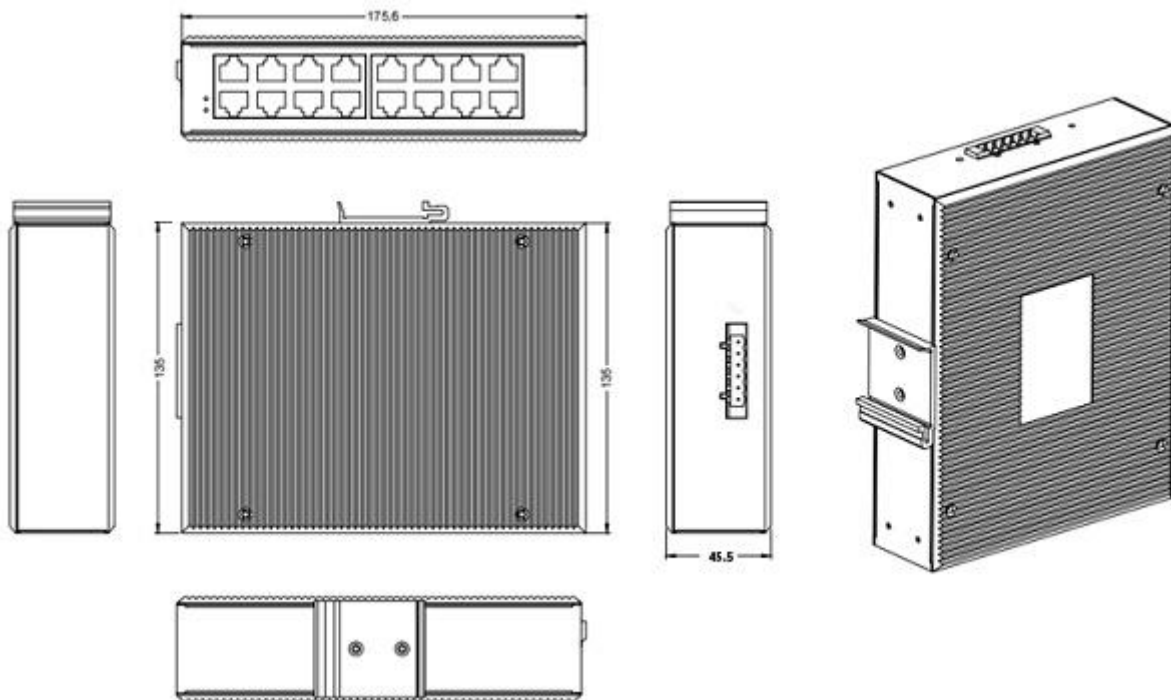
- 12V to 52V DC, redundant power input
- -40°C to 80°C operating temperature
- IP40 aluminum housing
- Supports 6KV DC Ethernet ESD protection
- Supports 6KV DC EFT protection for power line
- Free Fall, Shock and Vibration Stability
- DIN-rail and wall-mountable hardware design

Specifications:

Model No.	LBTD016G
10/100/1000BASE-TX Port	16 port RJ-45 auto-MDI / MDI-X
Performance Specification	Bandwidth: 56Gbps Packet Buffer Memory: 12Mbit Packet Forwarding Rate: 42Mpps MAC Address Table: 8K
Installation	DIN rail
Maximum Frame Size	9000bytes 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 Ethernet: Yellow POE: Green
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(≤10meter) 1000BASE-TX: Cat6 or later UTP(≤100 meter)
	FCC CFR47 Part 15, EN55022/CISPR22, Class A IEC61000-4-2 (ESD): ±8kV (contact), ±12kV (air) IEC61000-4-3 (RS): 10V/m (80~1000MHz)

Industry Standard	IEC61000-4-4 (EFT): Power Port: $\pm 4\text{kV}$; Data Port: $\pm 2\text{kV}$ IEC61000-4-5 (Surge): Power Port: $\pm 2\text{kV}/\text{DM}$, $\pm 4\text{kV}/\text{CM}$; 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)
MTBF	>300,000hours
Certification	CE FCC Rohs compliance
Dimensions (W x D x H)	175.6*135*45.5mm
Weight	Product Weight: 0.6KG Packing Weight: 0.7KG
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

ZXD11G	1-Port RJ45+1Port SFP/SC/FC/ST (Interface optional) Gigabit Industrial Switch	
ZXD12G	2-Port RJ45+1Port SFP/SC/FC/ST (Interface optional) Gigabit Industrial Switch	
ZXD05G	4-Port RJ45 + 1Port RJ-45 uplink Gigabit Industrial Switch	
ZXD14G	4-Port RJ45+1Port SFP/SC/FC/ST (Interface optional) Gigabit Industrial Switch	
ZXD24G	4-Port RJ45+2Port SFP/SC (Interface optional) Gigabit Industrial Switch	
ZXD08G	8-Port RJ45 Gigabit Industrial Switch	
ZXD18G	8-Port RJ45+1Port SFP/SC/FC/ST (Interface optional) Gigabit Industrial Switch	
ZXD28G	8-Port RJ45+2Port SFP Gigabit Industrial Switch	
ZXD82G	8-Port SFP +2Port RJ45 Gigabit Industrial Switch	
LBTD016G	16-Port RJ45 Gigabit Industrial Switch	
Power supply (optional)	ZX5121-DC	DC 12V/1A, suitable for non-PoE Industrial switch
	ZX5241-DC	DC 24V/1A, suitable for non-PoE Industrial switch
	ZX5521-DC	DC 52V/1A, suitable for 1-Port PoE Industrial switch, or non-PoE Industrial switch