IGS-0008B

8 10/100/1000T Industrial Ethernet Unmanaged Switch ; 12V/24V input models

- *Dual 9V~36VDC input(12V model) compliant with ISO 7637-2*
- *Dual 9-60V input (24V model)*
- *Galvanic isolation protection (power input /Ethernet port to case ground; power input to Ethernet port)*
- *Relay alarm output for power fail and alarm*
- *E-marking certificate for vehicle application* (-12V model)*

CE   FCC   RoHS2   E4

OVERVIEW

Lantech IGS-0008B is a high performance all 8 10/100/1000T industrial Ethernet switch with 12V or 24V input range selection.

Galvanic isolation for dual 24V, 12V input models
The IGS-0008B-12V accepts power input 9~36VDC and is compliant with ISO 7637-2 Pulse 5a which protects switch from being damaged by high voltage that could be found at vehicle cranky start.

24V model can accept dual 9-60VDC power input.

E-marking certificate, High reliability and extended working temperature*

Lantech IGS-0008B provides ±2000V EFT and ±6000V ESD protection, which can reduce unstable situation caused by power line and Ethernet. It has high reliability and robustness coping with extensive EMI/RFI phenomenon, environmental vibration and shocks usually found in Automation, transportation, wireless backhaul, Semi-conductor factory and assembly lines.
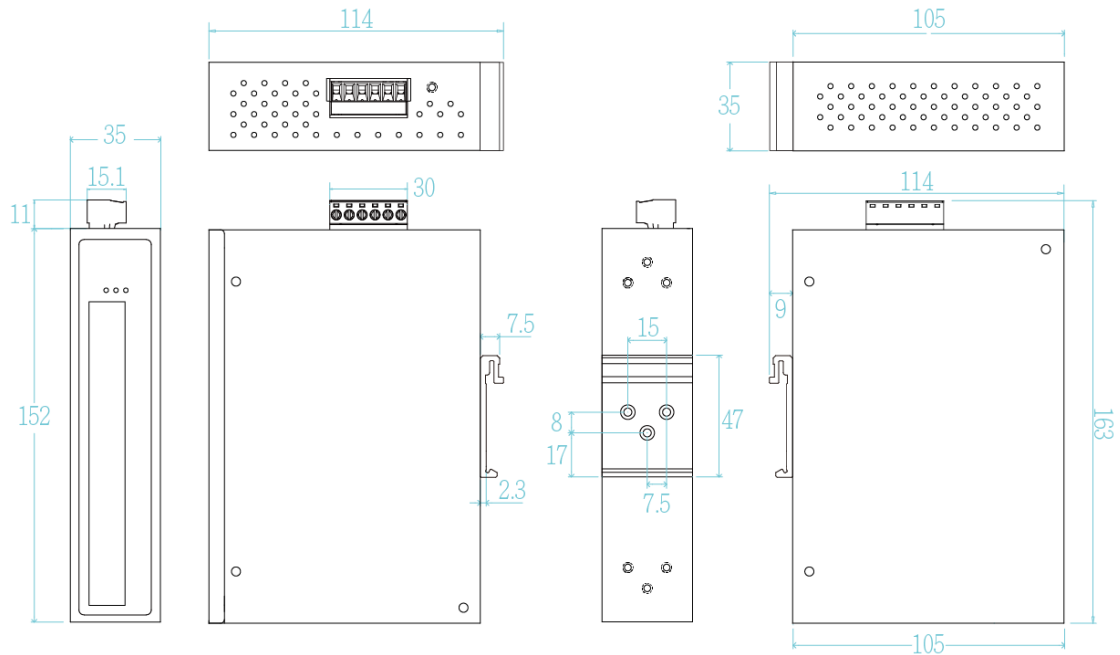
The -E model can be used in extreme environments with an operating temperature range of -40°C to 75°C.

The E-marking certificate makes it the most suitable switch for bus, carriage, other vehicles application as well as for industrial areas (-12V model)

FEATURES & BENEFITS

- 8 10/100/1000T industrial Ethernet switch (Total 8 Ports Switch)
- Dual 9V~36VDC power input for 12V model with ISO7637-2 compliance
- Dual 9V~60VDC power input for 24V model
- Back-plane (Switching Fabric): 16Gbps
- Provides EFT protection ±2000 VDC for power line.
- Supports ±6000 VDC Ethernet ESD protection
- Galvanic isolation between power input and case ground; between Ethernet port and case ground; between power input and Ethernet port
- E-marking* certificate for vehicle application (-12V model)
- Relay alarm output for power fail and alarm
- IP30 metal housing with DIN rail and Wall-mount** design

DIMENSIONS (unit=mm)

SPECIFICATION

Hardware Specification

Standards	IEEE802.3 10Base-T Ethernet IEEE802.3u 100Base-TX IEEE802.3x Flow Control and Back Pressure	Consumption	
		Galvanic Isolation	Between power input and case ground Between Ethernet port and case ground Between power input and Ethernet port
Switch Architecture	Back-plane (Switching Fabric): 1.6Gbps	Case Dimension	Metal case. IP-30, 43 (W) x 105 (D) x 152 (H) mm
Transfer Rate	14,880pps for Ethernet port 148,800pps for Fast Ethernet port	Weight	900 g
Mac Address	16K MAC address table	Installation	DIN Rail and Wall Mount** Design
Connectors	10/100/1000T: 8 x ports RJ-45 with Auto MDI/MDI-X function Power & P-Fail connector: 1 x 6-pole terminal block	Relay Alarm	Provides one relay output for power fail and alarm. Alarm Relay current carry ability: 1A @ DC24V
Network Cable	10Base-T: 2-pair UTP/STP Cat. 3, 4, 5/ 5E/ 6 cable EIA/TIA-568 100-ohm (100m) 100Base-TX: 2-pair UTP/STP Cat. 5/ 5E/ 6 cable EIA/TIA-568 100-ohm (100m)	EMI & EMS	FCC Class A, CE EN55032 Class A, CE EN55024, CE EN61000-4-2, CE EN61000-4-3, CE EN61000-4-4, CE EN61000-4-5, CE EN61000-4-6, CE EN61000-4-8
LED	Per unit: Power 1 (Green), Power 2 (Green), P-Fail (Red); Ethernet port: Link/Activity (Green) ; Speed (Amber);	Stability Testing	IEC60068-2-32 (Free fall), IEC60068-2-27 (Shock), IEC60068-2-6 (Vibration)
Operating Humidity	5% ~ 95% (Non-condensing)	Vehicle certificate	E-4 marking* (-12V model)
Operating Temperature	-20°C~60°C / -4°F~140°F (Standard model) -40°C~75°C / -40°F~167°F(-E model)	MTBF	NA
		Warranty	5 years
Storage Temperature	-40°C~85°C / -40°F~185°F		
Power Supply	9V~36VDC(12V model); 9V~60VDC(24V model)		
Power	5W		

*Future Release
**Optional

ORDERING INFOMATION

- **IGS-0008B-12V…..……... …….....P/N: 8351-114**
  8 10/100/1000T Industrial Ethernet Switch, dual 9V~36VDC input; compliant with ISO7637-2; -20°C to 60°C
- **IGS-0008B-12V-E……………......P/N: 8351-115**
  8 10/100/1000T Industrial Ethernet Switch, dual 9V~36VDC input, compliant with ISO7637-2; -40°C to 75°C
- **IGS-0008B-24V…..……... …….....P/N: 8351-116**
  8 10/100/1000T Industrial Ethernet Switch, dual 9V~60VDC input; -20°C to 60°C
- **IGS-0008B-24V-E……………......P/N: 8351-117**
  8 10/100/1000T Industrial Ethernet Switch, dual 9V~60VDC input, -40°C to 75°C

OPTIONAL ACCESSORIGS

DIN Rail Power

- **MDR-40 Series**   40W Single Output Industrial Din Rail Power; 85-264VAC / 120-370VDC Input Range; Cooling by free air convection; RoHS2 ; Operating Temp. -20°C~70°C (ambient, derating each output at 4% per degree from 60°C ~ 70°C)
- **MDR-20 Series**   20W Single Output Industrial Din Rail Power; 85-264VAC / 120-370VDC Input Range; Cooling by free air convection; RoHS2 ; Operating Temp. -20°C~70°C (ambient, derating each output at 2.5% per degree from 50°C ~ 70°C)