

IES-0005T

5 10/100TX Slim Type Industrial Switch

- *UL Class I Division II for Group A,B,C and D hazardous location*
- *Wide-range redundant power with polarity reverse protection*
- *Provides surge & ESD protection*



OVERVIEW

The Lantech IES-0005T is a slim type 5-Port 10/100TX Industrial Switch. It is able to use AC power adapter with wide DC input range and can be installed easily with DIN rail or wall mount kit.

The IES-0005T is designed to meet the demands of industrial environments, comes packaged in a robust IP 30 housing and has been tested extensively to meet Industrial EMI and EMC standards. With UL Class I Division II approval, the IES-0005T can be implemented in hazardous or explosive condition without accelerating the potential damage. The ESD, surge,

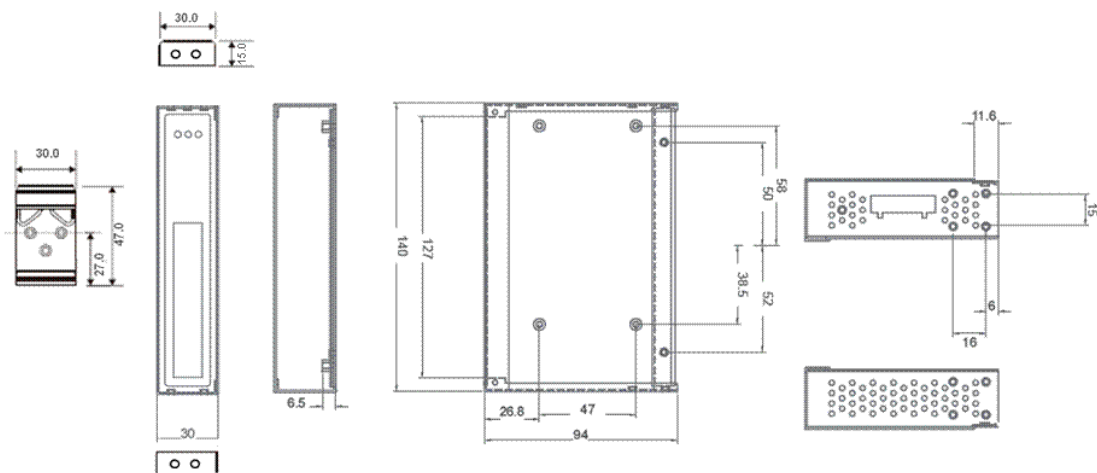
and power polarity reverse protections, making IES-0005T work well without interruption.

The Lantech IES-0005T is the best to use in Industrial automation, Transportation, Semi-conductor factory, Heavy Industrial factory and other factory assembly lines. Furthermore, UL Class I Division II safety certification makes IES-0005T your best choice to be installed in inflammable environment where the liquid, gas and vapor etc might present the hazardous condition which generally to be found in mining, oil & gas, chemical, processing automation areas.

FEATURES & BENEFITS

- 5-port 10/100TX Slim Type industrial switch
- Conforms to IEEE 802.3 10Base-T, 802.3u 100Base-TX/100Base-FX
- 802.3u 100Base-TX/100Base-FX
 - Flow control on full-duplex
 - Back pressure on half-duplex
- RJ-45 port support auto MDI/MDI-X Function
- Store-and-forward switching architecture
- Wide-range redundant power design
- Power polarity reverse function to work under wrong polarity power connection
- Relay alarm output for system events
- UL Class I Division II for Group A,B,C and D hazardous location
- Provides surge protection 3000 VDC for power line
- Supports 6000 VDC Ethernet ESD protection

DIMENSIONS (unit=mm)



SPECIFICATION

Hardware Specification		protection	
Standards	IEEE 802.3 10Base-T Ethernet IEEE 802.3u 100Base-TX Fast Ethernet IEEE802.3x Flow Control and Back-pressure	Power Supply	24VDC (9~56VDC), 12~36VAC*, Redundant power with polarity reverse protect function and removable terminal block
Switch Architecture	Back-plane (Switching Fabric): 1.0Gbps	Power Consumption	2.93 Watts
Transfer Rate	14,880pps for Ethernet port 148,800pps for Fast Ethernet port	Case Dimension	Metal case. IP-30, 30 (W) x 95 (D) x 140 (H) mm
Memory Buffer	384Kbits	Weight	430 g
Packet Buffer	1Mbits	EMI & EMS	FCC Class A, CE EN55011, CE EN55022, CE EN55024, CE EN61000-4-2 (ESD), CE EN61000-4-3 (RS), CE EN61000-4-4 (EFT), CE EN61000-4-5 (Surge), CE EN61000-4-6 (CS), CE EN61000-4-8, CE EN61000-6-2, CE EN61000-6-4
Mac Address	2K MAC address table	Safety	UL, cUL UL Class I Division II for Group A,B,C and D hazardous location
Connectors	10/100TX: 5 x RJ-45 with auto MDI/MDI-X function	Stability Testing	IEC60068-2-32 (Free fall) IEC60068-2-27 (Shock) IEC60068-2-64 (Vibration)
Network Cable	10Base-T: 2-pair UTP/STP Cat. 3, 4, 5, 6 cable EIA/TIA-568 100-ohm (100m) 100Base-TX: 2-pair UTP/STP Cat. 5, 6 cable EIA/TIA-568 100-ohm (100m)	MTBF	412590 hrs
Protocol	CSMA/CD	Installation	DIN Rail and Wall Mount Design
LED	Per unit: Power 1 (Green), Power 2 (Green), Fault (Red) Per port: Link/Active (Green), Full duplex/Collision (Yellow)	Warranty	5 years
Operating Humidity	5% ~ 95% (Non-condensing)		
Operating Temperature	-20°C~60°C / -4°F~140°F (Standard model) -40°C~75°C / -40°F~167°F (-E model)		
Storage Temperature	-40°C~85°C / -40°F~185°F		
Reserve polarity protection	Present		
Overload current	Present		

*Optional

ORDERING INFORMATION

- **IES-0005T.....P/N: 8350-630**
5 10/100TX Industrial Switch, Standard Operating Temperature (-20°C~60°C)
- **IES-0005T-E.....P/N: 8350-632**
5 10/100TX Industrial Switch, Wide Operating Temperature (-40°C~75°C)
- **IES-0005T-AC.....P/N: 8350-630-AC**
5 10/100TX Industrial Switch, Standard Operating Temperature (-20°C~60°C); 12~36VAC
- **IES-0005T-E-AC.....P/N: 8350-632-AC**
5 10/100TX Industrial Switch, Wide Operating Temperature (-40°C~75°C); 12~36VAC

OPTIONAL ACCESSORIES

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)

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