

IES-1005T

5 10/100TX Smart Industrial Ethernet Switch w/Pro-Ring

- Pro-Ring covers X-Ring, Dual Homing, and Couple Ring Topology
- X-Ring provides Ring recovery time of less than 10ms for up to 250 switches in one Ring
- IP-30 metal housing with DIN-Rail mounting



OVERVIEW

The Lantech IES-1005T is a Smart Redundant Ring Ethernet switch with 5x10/100BaseTX ports. It can be configured easily via web-browser, SNMP, or by using Lantech View, a free bundled Windows utility - 10 node version.

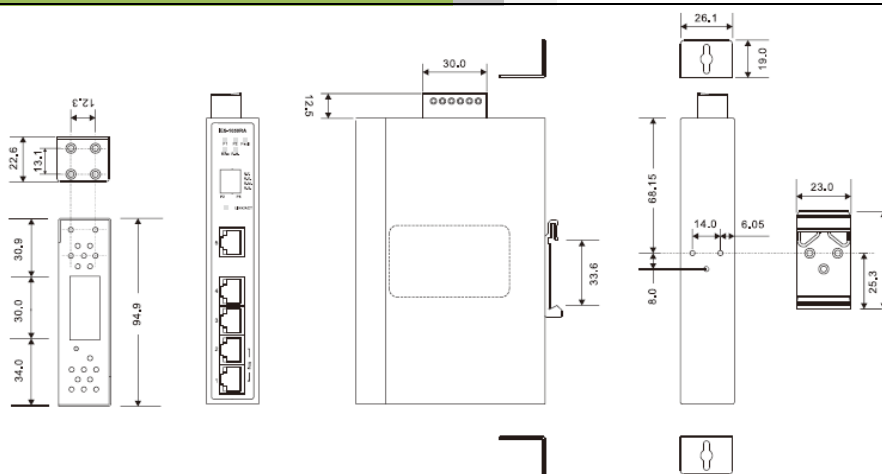
With smart and easy management functions including Port based VLANs, RSTP/STP and X-Ring, a self-recovery ring protocol operating in less than 10ms (for up to 250 switches), the IES-1005T can protect your mission-critical applications from network interruptions or temporary malfunctions. In the case of a power-down or port-down event, IES-1005T can send SNMP traps and alert emails to 4 pre-defined addresses, and trigger an alarm via the relay contact connection.

The IES-1005T is designed to meet the demands of Industrial environments, comes packaged in a robust IP30 housing and has been tested extensively to meet Industrial EMI and EMC standards. Rigorous mechanical testing has also been undertaken to comply with free fall, shock and vibration stability test requirements, which ensure long term reliability in critical industrial environments. The IES-1005T can be used in extreme environments with an operating temperature range of -40°C~70°C / -40°F~158°F. The Lantech IES-1005T is the best choice for building automation, factory, and process automation applications.

FEATURES & BENEFITS

- Pro-Ring covers X-Ring, Dual Homing, Couple Ring configuration
- X-Ring provides a recovery time of less than 10ms for a ring of up to 250 switches
- RSTP/STP (IEEE 802.1w/D) for Ethernet Redundancy
- Multiple notification of events by emails and traps
- Web-based, SNMP, and Windows utility (Lantech View)
- Wide operating temperature range from -40°C~70°C / -40°F~158°F
- IP-30 enclosure with DIN-Rail and wall-mounting design

DIMENSIONS (unit=mm)



SPECIFICATION

Standards	IEEE 802.3 10BaseT, IEEE 802.3u 100BaseT(X) IEEE 802.3x Flow control IEEE 802.1D Spanning Tree IEEE 802.1w Rapid Spanning Tree IEEE 802.1AB for LLDP (Link Layer Discovery)	Overload Current Protection	Present	
Connectors	10/100TX: 5 x RJ-45 with auto MDI/MDI-X function	Reverse Polarity Protection	Present on terminal block	
Mac Address	2048 MAC addresses	LED Power / Ready Indicator – Green : Ready LED x 1 R.M. Indicator – Amber : System operated in X-Ring Master mode X-Ring Indicator – Amber : Indicate port operated in X-Ring mode 10/100Base-T(X) RJ45 Port Indicator – Green for port Link/Act.		
Switch Properties	Switching bandwidth: 1.0Gbps			
Processing	Store-and-Forward			
Management	SNMP v1 v2c, v3/ Web/Lantech View Management			
Security Features	Enable/disable ports VLAN to segregate and secure network traffic			
Spanning Tree	Supports STP/RSTP (IEEE 802.1D/w)		Enclosure	IP-30
SMTTP	SMTTP Server and 4 e-mail accounts for receiving event alert		Dimension	26.1(W) x 95(D) x 144.3(H) mm (1.03 x 3.75 x 5.68 inch.)
SNTP	SNTP to synchronize system clock in Internet		Weight (g)	395 g
SNMP trap	Available		Operating Humidity	5% to 95% Non-condensing
System Event Log	Log Server/ SMTTP / SNMP trap		Operating Temperature	-40°C~70°C / -40°F~158°F
Pro-Ring	Pro-Ring covers X-Ring, Dual Homing, and Couple Ring Topology. X-Ring provides a recovery time of less than 10ms for up to 250 switches in a ring	Storage Temperature	-40°C~85°C / -40°F~185°F	
TFTP	Firmware updatable, backup and restore	EMI	FCC Part 15, CISPR (EN55022) class A	
Port Control & Security	Port configuration, status, statistics, monitoring, security Able to set the state, speed/duplex, flow control, and security of the port	EMS	EN61000-4-2 (ESD), EN61000-4-3 (RS), EN61000-4-4 (EFT), EN61000-4-5 (Surge), EN61000-4-6 (CS), EN61000-4-8, EN61000-4-11	
DHCP	DHCP Client	Safety	EN60950	
VLAN	Port Based	Stability Testing	IEC60068-2-32 (Free fall) IEC60068-2-27 (Shock) IEC60068-2-6 (Vibration)	
DNS	Provide DNS client feature support Primary and Secondary DNS server	Warranty	5 years	
Input Power	24VDC (9~56VDC), 18VAC (12~36VAC)			
Power Consumption (Typ.)	3 Watts Max.			

ORDERING INFORMATION

- **IES-1005T.....P/N: 8350-1008**
5 10/100TX Smart Industrial Ethernet Switch w/Pro-Ring; -40°C~70°C / -40°F~158°F

OPTIONAL ACCESSORIES

DIN Rail Power

- **AD1048-24FS** 24VDC, 2A, Wide AC Input, Convection Cooled, DIN Rail or Wall Mounted, RoHS, Operating Temp. -20°C~50°C (ambient, derating each output at 2.5% per degree from 50°C ~ 75°C, which means the output is 18 Watts at 75°C.)
- **AD1024-24F** 24VDC, 1A, Wide AC Input, Convection Cooled, DIN Rail or Wall Mounted, RoHS, Operating Temp. -20°C~50°C (ambient, derating each output at 2.5% per degree from 50°C ~ 75°C, which means the output is 9 Watts at 75°C.)
- **AD1240-48S** 48VDC, 5A, Wide AC Input, Build-in fan Cooled, DIN Rail or Wall Mounted, RoHS, Operating Temp. -20°C~50°C (ambient, derating each output at 2.5% per degree from 50°C ~ 70°C)
- **AD1120-48F** 48VDC, 2.5A, Wide AC Input, Build-in fan Cooled, DIN Rail or Wall Mounted, RoHS, Operating Temp. -20°C~50°C (ambient, derating each output at 2.5% per degree from 50°C ~ 70°C)

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