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*
- *Wide operating temperature range from -40°C to 75°C (-E model)*
- *IP-30 metal housing with DIN-Rail mounting*

FCC   CE   RoHS

OVERVIEW

The Lantech IES-1005T is a Smart Redundant Ring Ethernet switch with 5x10/100BaseTX ports. It can be configured easily via web-browser 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.
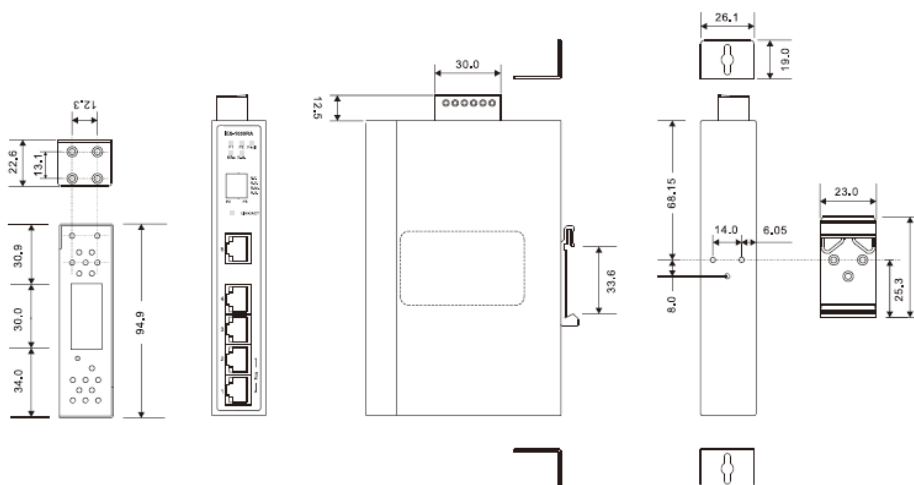
The IES-1005T is designed to meet the demands of Industrial environments, comes packaged in a robust IP30 housing and has been tested extensively to meet Industrial EMI and EMC standards. Rigorous mechanical testing has also been undertaken to comply with free fall, shock and vibration stability test requirements, which ensure long term reliability in critical industrial environments. The -E model can be used in extreme environments with an operating temperature range of -40°C to 75°C. 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**
- **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 and Windows utility (Lantech View) configuration**
- **Wide operating temperature range from -40°C to 75°C**
- **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)
Connectors	10/100TX: 5 x RJ-45 with auto MDI/MDI-X function
Mac Address	2048 MAC addresses
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)
SMTP	SMTP Server and 4 e-mail accounts for receiving event alert
SNTP	SNTP to synchronize system clock in Internet
SNMP trap	Available
System Event Log	Log Server/ SMTP / SNMP trap
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
TFTP	Firmware updatable, backup and restore
Port Control & Security	Port configuration, status, statistics, monitoring, security Able to set the state, speed/duplex, flow control, and security of the port
DHCP	Available
VLAN	Port Based
DNS	Provide DNS client feature support Primary and Secondary DNS server
Input Power	9 ~ 30 VDC voltage power input
Power Consumption (Typ.)	3 Watts Max.

Overload Current Protection	Present
Reverse Polarity Protection	Present on terminal block
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.
Enclosure	IP-30
Dimension	26.1(W) x 95(D) x 144.3(H) mm (1.03 x 3.75 x 5.68 inch.)
Weight (g)	395 g
Operating Humidity	5% to 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
EMI	FCC Part 15, CISPR (EN55022) class A
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
Safety	EN60950
Stability Testing	IEC60068-2-32 (Free fall) IEC60068-2-27 (Shock) IEC60068-2-6 (Vibration)
Warranty	5 years

ORDERING INFOMATION

- **IES-1005T…..…………...……….......P/N: 8350-1008**
  5 10/100TX Smart Industrial Ethernet Switch w/Pro-Ring; -20°C to 60°C
- **IES-1005T-E..…………...……….......P/N: 8350-1018**
  5 10/100TX Smart Industrial Ethernet Switch w/Pro-Ring; -40°C to 75°C

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
- **AD1024-24F** 24VDC, 1A, Wide AC Input, Convection Cooled, DIN Rail or Wall Mounted, RoHS, Operating Temp. -20°C~50°C