

IES-1005-67

5 10/100TX IP-67 Smart Industrial Ethernet Switch

- Waterproof M12 connector
- 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 70°C
- Rigid IP-67 housing design



OVERVIEW

Lantech IES-1005-67 is a Waterproof Smart Redundant Ring Ethernet switch with 5x10/100TX ports which is fully compliant with IP67 standard. It is designed for the toughest industrial environments.

In combination with its IP67 design and the superb management functionality, IES-1005-67 is constructed of a rugged weather tight aluminum case and designed with IP67 rated RJ45 Ethernet ports (M12 type connector), which provide a waterproof, and dust-tight connection.

IES-1005-67 can be managed centralized and convenient by Lantech View, a powerful windows utility. With completely

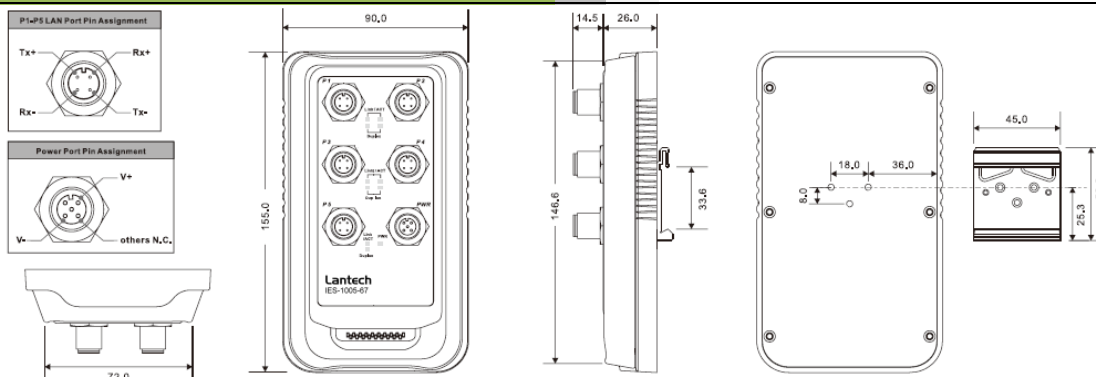
support of Ethernet Redundancy protocol, X-Ring (recovery time < 10ms over 250 units of connection) and RSTP/STP (IEEE 802.1w/D) can protect your mission-critical applications from network interruptions or temporary malfunctions with its fast recovery technology.

The wide operating temperature range from -40°C to 70°C can satisfy most of operating environment. It can be easily adopted in almost all kinds of applications and provides the most rugged solutions for managing your network in outdoor. Therefore, IES-1005-67 is one of the most reliable choices for industrial networking application.

FEATURES & BENEFITS

- World's fastest Redundant Ethernet Ring : X-Ring (recovery time < 10ms over 250 units of connection)
- Multiple Redundant Ethernet technology RSTP/STP, X-Ring supported to protect your industrial network
- Supports SNMP for secured network management
- Configurable by Web-based and Windows utility
- Environmentally sealed by IP67 grade protection and ultra rugged enclosure for toughest industrial usages
- Notifies event through Syslog, Email, and SNMP trap
- Wide operating temperature range from -40°C to 70°C
- Rigid IP-67 housing design
- DIN-Rail mounting enabled

DIMENSIONS (unit=mm)



SPECIFICATION

Hardware Specification		Software 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)	Operating Humidity	5% to 95% Non-condensing
Connectors	10/100TX: 5 x RJ-45 with auto MDI/MDI-X function	Operating Temperature	-40°C~70°C / -40°F~158°F
Mac Address	2K MAC addresses	Storage Temperature	-40°C~85°C / -40°F~185°F
Switch Properties	Switching bandwidth: 1.0Gbps	EMI	FCC Part 15, CISPR (EN55022) class A
Processing	Store-and-Forward	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
LED	Power Indicator Green : Power LED x 1, Indicate power input	Safety	CE/EN60950-1
	Ready / Ring Master Indicator Amber LED: Light on for system ready Blinking for system ready and Ring master mode Light off for system failed	Stability Testing	IEC60068-2-32 (Free fall) IEC60068-2-27 (Shock) IEC60068-2-6 (Vibration)
	X-Ring Indicator Amber: Indicate port operated in X-Ring mode (per port)	MTBF	662,177 hours
	10/100TX RJ45 Port Indicator Green for port Link/Act. (per port)	Warranty	5 years
Redundant Input Power	9~ 30 VDC voltage power input	Security Features	VLAN : Port Based Enable/disable ports VLAN to segregate and secure network traffic
Power Connector Type	M12 Waterproof	Software Features	STP/RSTP (IEEE 802.1D/w) Redundant Ring (X-Ring) with recovery time less than 10ms over 250 units Port configuration, status, statistics, monitoring, security
Power Consumption (Typ.)	3 Watts	Priority Queues	4
Overload Current Protection	Present	SNTP	Supports SNTP to synchronize system clock in Internet
Reserve polarity protection	Present	SMTP	Supports SMTP Server and 6 e-mail accounts for receiving event alert
Installation	DIN Rail and Wall Mount Design	DHCP	Provides DHCP Client function
Case Dimension	IP67, 90 mm (W) x 40.5 mm(D) x 155 mm(H)	Network Redundancy	X-Ring STP RSTP
Weight (g)	470 g	Firmware Update	Supports TFTP firmware update, TFTP backup and restore.

ORDERING INFORMATION

- **IES-1005-67.....P/N: 8350-1918**
5 10/100TX IP-67 Smart Industrial Ethernet Switch

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)

M12 Connector / Cable

- **ECON120005MM** 5 Pin M12 Power Male Connector
- **ECON120004FF** 4 Pin M12 RJ45 Female Connector
- **ECAB125030F0** 5 Pin M12 Power Female 3M Cable
- **ECAB124030MJ** 4 Pin M12 RJ45 Male 3M Cable

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