IES-1204FT

4 10/100TX + 2 100SFP 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*

FCC CE RoHS

OVERVIEW

The Lantech IES-1204FT is a Smart Redundant Ring Ethernet switch with 4 10/100BaseTX + 2 100M SFP ports. It can be configured easily via web-browser or by using Lantech View, a free bundled Windows utility - 10 node version.
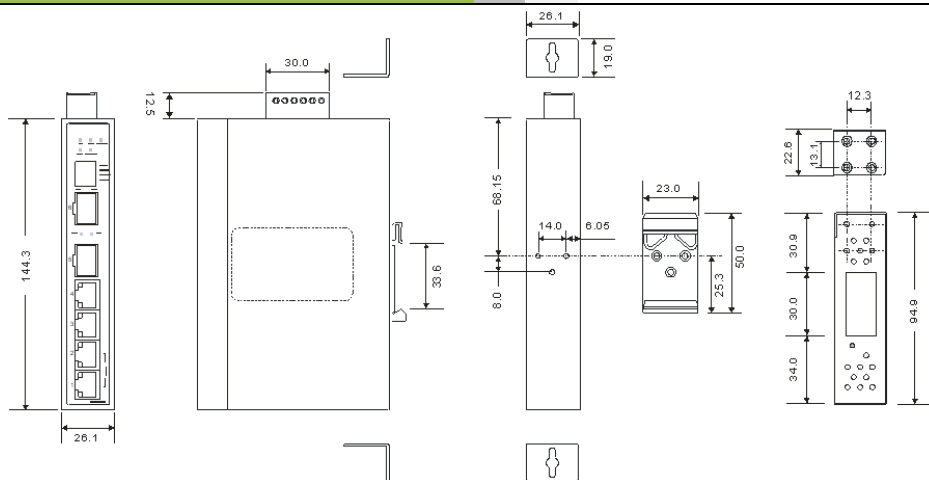
With smart and easy management functions including Port based VLANs, RSTP/STP and X-Ring, a self-recovery ring protocol operating in less than 10ms (for up to 250 switches), the IES-1204FT can protect your mission-critical applications from network interruptions or temporary malfunctions. In the case of a power-down or port-down event, IES-1204FT can send SNMP traps and alert emails to 4 pre-defined addresses, and trigger an alarm via the relay contact connection.

The IES-1204FT 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-1204FT can be used in extreme environments with an operating temperature range of -40°C~70°C / -40°F~158°F. The Lantech IES-1204FT 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~70°C / -40°F~158°F**
- **IP-30 enclosure with DIN-Rail and wall-mounting design**

DIMENSIONS (unit=mm)

SPECIFICATION

Standards	IEEE 802.3 for 10Base-T, IEEE 802.3u for 100Base-T(X) and 100Base-FX, IEEE 802.3x for Flow control IEEE 802.1D for STP IEEE 802.1w for RSTP IEEE 802.1AB for LLDP
Connectors	10/100TX: 4 x RJ-45 with auto MDI/MDI-X function 2 x 100Base-FX SFP Port
Mac Address	2048 MAC addresses
Switch Properties	Switching bandwidth: 1.2Gbps
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	24VDC (9~56VDC), 18VAC (12~36VAC)
Power Consumption (Typ.)	3 Watts Max.
Overload Current Protection	Present

Reverse Polarity Protection	Present on terminal block
LED	**Power Indicator** Green LED x 2 **10/100Base-T(X) RJ45 port indicator** Green for port Link/Act. Amber for Duplex/Collision **100Base-FX SFP port indicator** Green for port Link/Act **R.M. indicator** Green : Indicate system operated in X-Ring Master mode **X-Ring indicator** Green : Indicate port operated in X-Ring mode **Fault indicator** Amber : Indicate unexpected event occurred
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	-40°C~70°C / -40°F~158°F
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-1204FT…..…………....….…........P/N: 8350-1208**
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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

Datasheet Version 1.0