

IES-0204FT

4 10/100TX + 2 100FX Industrial Switch

- Wide-range redundant power with polarity reverse protection
- Compact size with DIN rail and wall mount design
- Wide operating temperature range from -40°C to 75°C (-E model)
- Provides 3K VDC EFT & 6K VDC ESD protections



OVERVIEW

The Lantech IES-0204FT is a 4-port 10/100TX + 2-port 100FX Industrial Switch for plug-and-play installation. It can auto detect power inputs and supports wide input range from 9V to 56VDC. To increase reliability, the IES-0204FT provides redundant power design with polarity reverse protection as well as EFT and ESD protections.

The Lantech IES-0204FT 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. Rigorous mechanical testing has also been undertaken with free fall, shock, and vibration stability test,

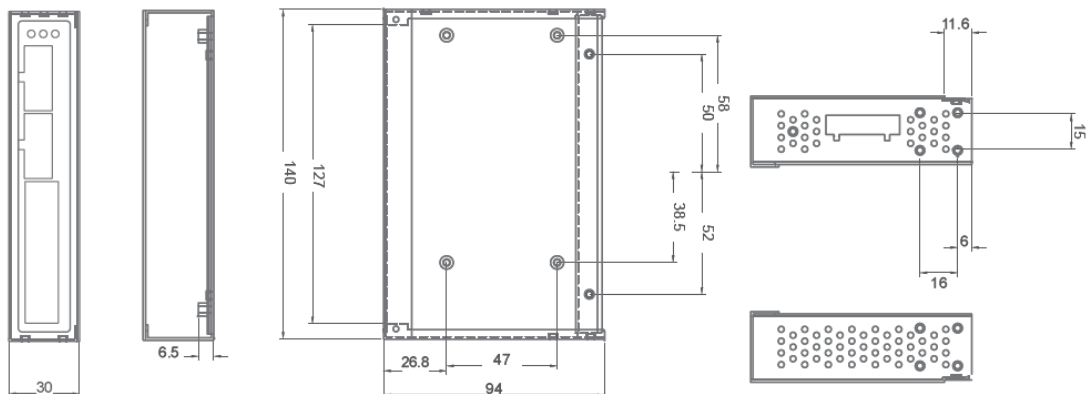
which ensure long term reliability in critical industrial environments. The -E model can be used in extreme environments with an operating temperature range from -40°C to 75°C.

Featured with relay contact to alarm system, the IES-0204FT can immediately notify of power failure event. The Lantech IES-0204FT is compact in size and easy to be installed with DIN rail and wall mount kit. It is the best choice both in inflammable or normal industrial environment such as automation, transportation, heavy Industrial factory, mining, oil & gas, chemical, and processing automation area.

FEATURES & BENEFITS

- RJ-45 port support Auto MDI/MDI-X Function
- Store-and-Forward Switching Architecture
- Back-plane (Switching Fabric): 1.2Gbps
- 2K MAC address table
- Supports Wide Operating Temperature (-40°C~75°C)
- Provides EFT protection 3000 VDC for power line
- Supports 6000 VDC Ethernet ESD protection
- IP-30 Protection with DIN Rail and Wall Mount Design
- Power Supply
 - Wide-range Redundant Power Design
 - Power Polarity Reverse Protect
 - Overload Current Re-settable Fuse Present
- Provides broadcast storm protection

DIMENSIONS (unit=mm)



SPECIFICATION

| Hardware Specification | | Overload current protection | Present |
|-----------------------------|--|-----------------------------|--|
| IEEE Standards | IEEE 802.3 10Base-T Ethernet IEEE 802.3u 100Base-TX and 100Base-FX Fast Ethernet IEEE802.3x Flow Control and Back Pressure | Power Supply | 24 VDC (9-56VDC), 18 VAC(12-36 VAC), Redundant power with polarity reverse protect function and removable terminal block |
| Switch Architecture | Back-plane (Switching Fabric): 1.2Gbps Packet throughput ability (Full-Duplex): 1.488Mpps @64bytes | Power Consumption | 6.41 Watts |
| Transfer Rate | 14,880pps for Ethernet port 148,800pps for Fast Ethernet port | Operating Humidity | 5% - 95% (Non-condensing) |
| Mac Address | 2K MAC address table | Operating Temperature | -20°C~60°C / -4°F~140°F (Standard model) -40°C~75°C / -40°F~167°F (E model) |
| Connectors | 10/100TX: 4 x RJ-45 with auto MDI/MDI-X function 100M fiber: 2 x SC type connector for Single-mode or Multi-mode type fiber cable [Multi-Mode] power budget : Min: 9dB , MAX: 19dB. [Single-Mode] power budget : Min: 19dB , MAX: 26dB. | Storage Temperature | -40°C~85°C / -40°F~185°F |
| Network Cable | 10Base-T: 2-pair UTP/STP Cat. 3, 4, 5 cable EIA/TIA-568 100-ohm (100m) 100Base-TX: 2-pair UTP/STP Cat. 5 cable EIA/TIA-568 100-ohm (100m) | Case Dimension | Metal case. IP-30, 30mm (W) x 95mm (D) x 140mm (H) |
| Optical Cable | Multi-mode: 50/125um~62.5/125um Single-mode: 9/125um Available distance: 2km (Multi-mode)/30km (Single-mode) Wavelength: 1310nm (Multi-mode/Single-mode) | Weight | 810 g |
| Protocol | CSMA/CD | Installation | DIN Rail and Wall Mount Design |
| LED | Per port: Link/Activity (Green), Full duplex/Collision (Yellow) Per unit: Power 1 (Green), Power 2 (Green), Fault(Red) | EMI & EMS | FCC Class A, CE EN61000-4-2 (ESD), CE EN61000-4-3 (RS), CE EN-61000-4-4 (EFT), CE EN61000-4-5 (Surge), CE EN61000-4-6 (CS), CE EN61000-4-8, CE EN61000-4-11, CE EN61000-4-12, CE EN61000-6-2, CE EN61000-6-4 |
| Reserve polarity protection | Present | Safety | CE/EN60950-1 |
| | | Stability Testing | IEC60068-2-32 (Free fall) IEC60068-2-27 (Shock) IEC60068-2-6 (Vibration) |
| | | MTBF | 347014 hrs |
| | | Warranty | 5 years |

ORDERING INFORMATION

- **IES-0204FT (SC/MM).....P/N: 8350-340**
4 10/100TX + 2 100FX (SC, MM 2km) Industrial Switch, Standard Operating Temperature (-20°C~60°C)
- **IES-0204FT (SC/SM).....P/N: 8350-341**
4 10/100TX + 2 100FX (SC, SM 30km) Industrial Switch, Standard Operating Temperature (-20°C~60°C)
- **IES-0204FT-E (SC/MM).....P/N: 8350-345**
4 10/100TX + 2 100FX (SC, MM 2km) Industrial Switch, Wide Operating Temperature (-40°C~75°C)
- **IES-0204FT-E (SC/SM).....P/N: 8350-346**
4 10/100TX + 2 100FX (SC, SM 30km) Industrial Switch, Wide Operating Temperature (-40°C~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
- **AD1240-48S** 48VDC, 5A, Wide AC Input, Build-in fan Cooled, DIN Rail or Wall Mounted, RoHS, Operating Temp. -20°C~50°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

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