

## IES-0104FT

4 10/100TX + 1 100FX Industrial Switch



### Features:

- System Interface/Performance
  - >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)
- Case/Installation
  - >IP-30 Protection
  - >DIN Rail and Wall Mount Design
- Power Supply
  - >Wide-range Redundant Power Design
  - >Power Polarity Reverse Protect
  - >Overload Current Re-settable Fuse Present
- Provides EFT protection 3000 VDC for power line
- Supports 6000 VDC Ethernet ESD protection
- Provides broadcast storm protection

### Ordering Information

- IES-0104FT (SC/MM).....P/N:8350-330  
4 10/100TX + 1 100FX (SC, MM 2km) Industrial Switch
- IES-0104FT (SC/SM 30KM).....P/N:8350-331  
4 10/100TX + 1 100FX (SC, SM 30km) Industrial Switch
- IES-0104FT/E (SC/MM).....P/N:8350-335  
4 10/100TX + 1 100FX (SC, MM 2km) w/Wide Operating Temperature (-40°C~75°C) Industrial Switch
- IES-0104FT/E (SC/SM).....P/N:8350-336  
4 10/100TX + 1 100FX (SC, SM 30km) w/Wide Operating Temperature (-40°C~75°C) Industrial Switch

Lantech Industrial Switch series are designed with four unique hardware features: 1. Enclosed with a DC power jack cable to connect with AC/DC power adapter. 2. Auto detect power input from DC12V to 48V. 3. Relay contact to connect with alarm system in case of power or port failure. 4. Wall-mountable or DIN rail mountable.

Lantech's Industrial Switch series are designed to meet with critical network environment with IP 30 enclosure and test under extensive Industrial EMI and Safety standards. Each of Lantech's Industrial Switch are passed under 1.2KVA Hi-Pot abnormal test.

Lantech IES-0104FT is a 4 x 10/100TX + 1 x 100FX Industrial Switch for plug-and-play installation. Lantech Industrial Switch's relay contact to Alarm system can immediately notify of Power failure event. Lantech IES-0104FT is the best to use in Automation, Transportation, Semi-conductor factory, Heavy Industrial factory and other factory assembly lines.

### Specification:

IEEE Standard	IEEE 802.3 10Base-T Ethernet IEEE 802.3u 100Base-TX and 100Base-FX Fast Ethernet IEEE802.3x Flow Control and Back Pressure
Switch Architecture	Back-plane (Switching Fabric): 1.2Gbps Packet throughput ability (Full-Duplex): 1.488Mpps @64bytes
Transfer Rate	14,880pps for Ethernet port 148,800pps for Fast Ethernet port
MAC Address	2K MAC address table
Connector	10/100TX: 4 x RJ-45 with auto MDI/MDI-X function 100M fiber: 1 x SC type connector for Single-mode or Multi-mode type fiber cable
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)
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)
Protocol	CSMA/CD
LED	Per port: Link/Activity (Green), Full duplex/Collision (Yellow) Per unit: Power 1 (Green), Power 2 (Green), Fault(Red)
Reserve polarity protection	Present
Overload current protection	Present
Power Supply	DC 12~48V, Redundant power with polarity reverse protect function and removable terminal block
Power Consumption	4.2 Watts
Operating Humidity	5%~95% (Non-condensing)

Operating Temperature	Standard: -10°C~60°C, Wide Operating Temperature: -40°C~75°C
Storage Temperature	-40°C~85°C
Case Dimension	Metal case. IP-30, 30mm (W) x 95mm (D) x 140mm (H)
Installation	DIN Rail and Wall Mount Design
EMI	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
Safety	UL, cUL, CE/EN60950-1
Stability Testing	IEC60068-2-32 (Free fall), IEC60068-2-27 (Shock), IEC60068-2-6 (Vibration)

\*Future Release

\*\*Optional