

IES-0204DFT

4-Port 10/100TX + 1-Port GigaT + 1-Port Dual Speed SFP

Industrial Switch

- 12V to 48V dual input
- Relay contact to connect with alarm system
- Wide operating temperature range from -40°C to 75°C



OVERVIEW

The Lantech IES-0204DFT is a 4 x 10/100TX + 1 GigaT + 1Dual speed SFP industrial switch. This slim switch is wall-mountable** or DIN rail mountable, making installation easier and flexible.

The IES-0204DFT is designed to meet with critical network environment with IP30 enclosure and test under extensive Industrial EMI and Safety standards. It supports EFT protection

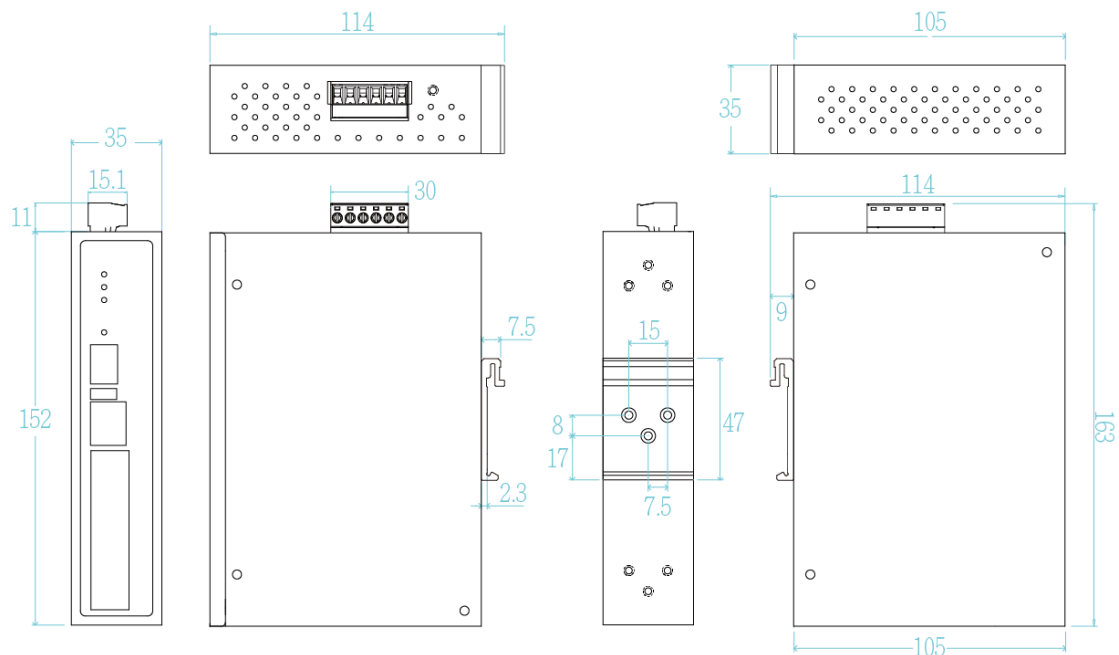
for 2000VDC power and 6000VDC contact ESD protection, which can reduce unstable environment damage caused by power line and Ethernet..

The Lantech IES-0204DFT is the best Industrial switch to connect with IP Camera, Wireless equipments where are placed outdoor or tight space cabinet such as street cabinet, wireless hotspots etc.

FEATURES & BENEFITS

- **System Interface/Performance**
 - RJ-45 port support Auto MDI/MDI-X Function
 - Store-and-Forward Switching Architecture
 - Back-plane (Switching Fabric): 4.8Gbps
 - 8K MAC Address Table
- Provides EFT protection 2000 VDC for power line
- Supports 6000 VDC ESD contact protection
- **Case/Installation**
 - IP30 Metal Housing Protection
 - DIN Rail and Wall Mount** Design
- **Power Supply**
 - DC 12V~48V dual power input
 - Overload Current protection by fuse
- Pass ESD Sensitivity Classification (class A)

DIMENSIONS (unit=mm)



Datasheet Version 1.3

SPECIFICATION

IEEE Standards	IEEE 802.3 10Base-T Ethernet	Power Consumption	4.1 Watts max.
	IEEE 802.3u 100Base-TX and 100Base-FX Fast Ethernet		Overload current protection
Switch Architecture	IEEE802.3ab 1000Base-T	Operating Humidity	5% ~ 95% (Non-condensing)
	IEEE802.3z Gigabit fiber	Operating Temperature	-40°C~75°C / -40°F~167°F
Transfer Rate	IEEE802.3x Flow Control and Back Pressure	Storage Temperature	-40°C~85°C / -40°F~185°F
	Back-plane (Switching Fabric): 4.8Gbps	Case Dimension	Metal case. IP30, 35mm (W) x 142mm (H) x 105mm (D)
Mac Address	14,880pps for Ethernet port	Weight	660g
Connectors	148,800pps for Fast Ethernet port	Installation	DIN Rail and Wall Mount** Design
	1,488,000pps for Gigabit Ethernet / Gigabit Fiber port	EMI & EMS	FCC Class A, CE EN61000-6-2, CE EN61000-4-2 (ESD), CE EN61000-4-3 (RS), CE EN61000-4-4 (EFT), CE EN61000-4-5 (Surge), CE EN61000-4-6 (CS), CE EN61000-4-8, CE EN55032 Class A, CE EN55024
8K MAC address table	Stability Testing		
Network Cable	10/100TX: 4 x RJ-45 with auto MDI/MDI-X function; Support PoE+ injector function	MTBF	N/A
	10/100/1000T:1x RJ-45 with auto MDI/MDI-X function	Warranty	5 years
Optical Cable	100M/1000M fiber: 1 x dual speed SFP slot for Single-mode or Multi-mode type fiber cable	**Optional	
	10Base-T: 2-pair UTP/STP Cat. 3, 4, 5, 6 cable		
Protocol	EIA/TIA-568 100-ohm (100m)		
	100Base-TX: 2-pair UTP/STP Cat. 5, 6 cable		
LED	EIA/TIA-568 100-ohm (100m)		
	Multi-mode: 50/125um~62.5/125um		
Power Supply	Single-mode: 9/125um		
	Available distance: 2km (Multi-mode)/30km (Single-mode)		
Power Supply	Wavelength: 1310nm (Multi-mode/Single-mode)		
	CSMA/CD		
Power Supply	Per unit: Power 1 (Green), Power 2 (Green), Fault(Amber)		
	Fiber: Link/Active(Green)		
Power Supply	TX: Link/Active(Green)		
	Dual power input 9.5~60VDC		

ORDERING INFORMATION

- **IES-0204DFT.....P/N: 8351-332**
4 10/100TX + 1 GigaT + 1 Dual speed SFP Industrial Switch; -40°C to 75°C ; DC 9.5~60V dual input

OPTIONAL ACCESSORIES

DIN Rail Power

- **MDR-40 Series** 40W Single Output Industrial Din Rail Power; 85-264VAC / 120-370VDC Input Range; Cooling by free air convection; RoHS2 ; Operating Temp. -20°C~70°C (ambient, derating each output at 4% per degree from 60°C ~ 70°C)
- **MDR-20 Series** 20W Single Output Industrial Din Rail Power; 85-264VAC / 120-370VDC Input Range; Cooling by free air convection; RoHS2 ; Operating Temp. -20°C~70°C (ambient, derating each output at 2.5% per degree from 50°C ~ 70°C)

Mini GBIC (SFP)

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|---|--|
| ■ 8330-162X MINI GBIC 1000SX (LC/MM/0.5KM) Transceiver | ■ 8330-065 MINI GBIC 100Base (LC/MM/5KM) Transceiver |
| ■ 8330-163X MINI GBIC 1000SX2 (LC/MM/2KM) Transceiver | ■ 8330-061 MINI GBIC 100Base (LC/SM/30KM) Transceiver |
| ■ 8330-165X MINI GBIC 1000LX (LC/SM/10KM) Transceiver | ■ 8330-197 1.25Gbps BiDi SFP 0.5KM Transceiver (WDM 1310) |
| ■ 8340-0591 MINI GBIC 1000LHX (LC/SM/40KM) Transceiver | ■ 8330-198 1.25Gbps BiDi SFP 5KM Transceiver (WDM 1550) |
| ■ 8330-166 MINI GBIC 1000XD (LC/SM/50KM) Transceiver | ■ 8330-195 1.25Gbps BiDi SFP 2KM Transceiver (WDM 1310) |
| ■ 8330-169 MINI GBIC 1000XD (LC/SM/60KM) Transceiver | ■ 8330-196 1.25Gbps BiDi SFP 2KM Transceiver (WDM 1550) |
| ■ 8330-167 MINI GBIC 1000ZX (LC/SM/80KM) Transceiver | ■ 8330-188 1.25Gbps BiDi SFP 10KM Transceiver (WDM 1310) |
| ■ 8330-170 MINI GBIC 1000EZ (LC/SM/120KM) Transceiver | ■ 8330-189 1.25Gbps BiDi SFP 10KM Transceiver (WDM 1550) |
| ■ 8330-168 MINI GBIC 10/100/1000T (100m) Transceiver | ■ 8330-186 1.25Gbps BiDi SFP 20KM Transceiver (WDM 1310) |
| ■ 8330-060 MINI GBIC 100Base (LC/MM/2KM) Transceiver | |

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