

5x10/100/1000T Industrial Gigabit Ethernet Switch



Benefits

■ System Interface/Performance ➢ RJ-45 port support Auto MDI/MDI-X Function ➢ Store-and-Forward Switching Architecture ➢ Back-plane (Switching Fabric): 10Gbps ➢ 136Kbits Memory Buffer ➢ 8K MAC Address Table ➢ 9Kbytes Jumbo Frame ➢ Support 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
■ Provides broadcast storm protection	■ Supports 4000 VDC Ethernet ESD protection

Standard Compliance

IEEE Standard	IEEE 802.3 10Base-T
	IEEE 802.3u 100Base-TX
	IEEE 802.3ab 1000Base-T
	IEEE802.3x Flow Control and Back Pressure

Hardware Specification

Switch Architecture	Back-plane (Switching Fabric): 10Gbps Packet throughput ability (Full-Duplex): 14.88Mpps @64bytes
Transfer Rate	14,880pps for Ethernet port 148,800pps for Fast Ethernet port 1,488,000pps for Gigabit Fiber Ethernet port
Memory Buffer	136Kbits
MAC Address	8K MAC address table
Jumbo Frame	9Kbytes
Connector	10/100/1000T: 5 x RJ-45
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)
Protocol	CSMA/CD
LED	Per unit: Power 1 (Green), Power 2 (Green), Fault(Red) Per port: Link/Activity (Green), Speed (1000Mbps Green)

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	4.6 Watt
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)

Order Information

Part Number	Product Family	Description
261670100	DragonLine	5x10/100/1000T Industrial Ethernet Switch
261670100E	DragonLine	5x10/100/1000T Industrial Ethernet Switch Wide Operating Temperature (-40°C~75°C)