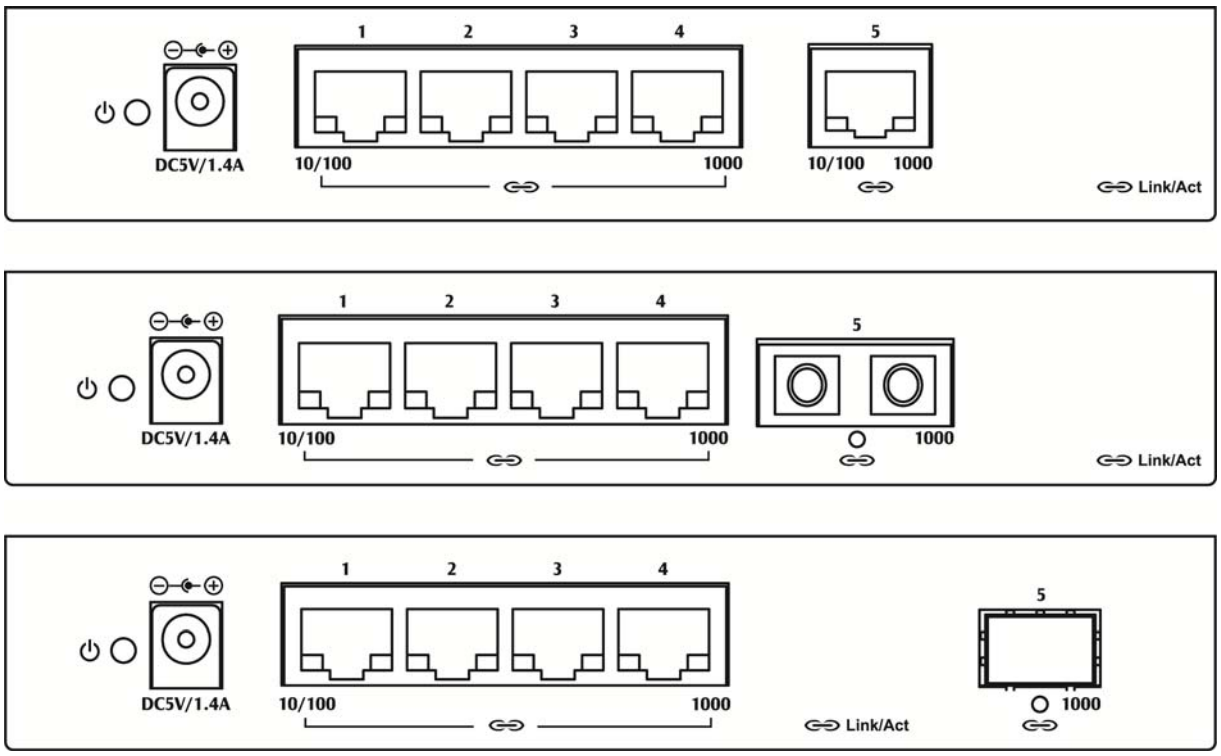
This quick start guide describes how to install and use the Gigabit Ethernet Switch. Capable of operating at temperature 0°C to +45°C, this is the switch of choice for environments constrained by space.

Physical Description

The Port Status LEDs

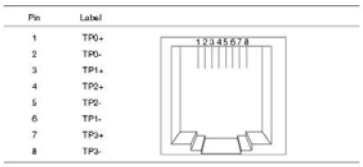


LED	State	Indication
Power (Green)	Steady	Power on.
	Off	Power off.
10/100/1000Base-T		
Link/Act (Green)	Steady	A valid network connection established at 10/100Mbps.
	Flashing	Transmitting or receiving data. Act stands for Activity.
	Off	No Link.
Link/Act (Amber)	Steady	A valid network connection established at 1000Mbps.
	Flashing	Transmitting or receiving data. Act stands for Activity.
	Off	No Link.
1000Base-SX/LX/BX		
Link/Act (Amber)	Steady	A valid network connection established.
	Flashing	Transmitting or receiving data. Act stands for Activity.
	Off	No link.

The 1000Base-T and 1000Base-SX/LX/BX Connectors

The 1000Base-T Connections

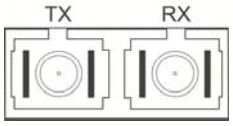
The following lists the pinouts of 1000Base-T port.



The 1000Base-SX/LX Connections

The fiber port pinouts

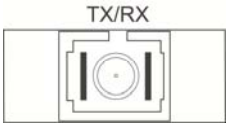
The Tx (transmit) port of device I is connected to the Rx (receive) port of device II, and the Rx (receive) port of device I to the Tx (transmit) port of device II.



The WDM 1000Base-BX Connections

The fiber port pinouts

Only one single optical fiber is required to transmit and receive data.



The SFP Connections

The SFP socket for 1000Base fiber optic expansion.

Supports duplex LC connector on SFP with 1000Base-SX/LX/BX.

For SFP expansion

Functional Description

- Supports IEEE802.3/802.3u/802.3ab/802.3z. Auto-negotiation: 10/100/1000Mbps, Full/Half-duplex. Auto MDI/MDIX.
- 1000Base-SX/LX: Multi mode and Single mode SC and ST type. 1000Base-BX: WDM Multi mode and Single mode SC type.
- SFP socket for Gigabit fiber optic expansion. Supports duplex LC connector on SFP with 1000Base-SX/LX/BX.
- Supports IEEE802.3x Flow Control for Full-duplex & Back Pressure for Half-duplex.
- None-blocking architecture and full wire-speed forwarding rate.
- Supports 2048 MAC addresses.
- Supports IEEE802.1p Quality of Service (QoS).
- IEEE802.3az EEE (Energy Efficient Ethernet) supported on copper ports.
- Supports jumbo frame up to 9216 Bytes.
- 5VDC DC Jack power input, external AC to DC power adapter.
- Operating voltage and Max. current consumption: 1.4A @ 5VDC. Power consumption: 7W Max.
- Operating temperature ranges from 0℃ to 45℃ (32℉ to 113℉).