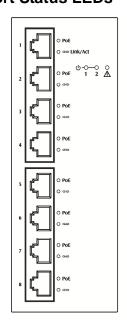
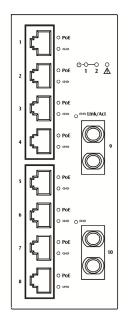
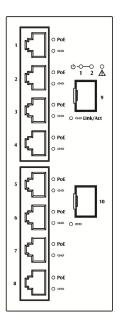
This quick start guide describes how to install and use the Hardened PoE Gigabit Ethernet Switch. Capable of operating at temperature extremes of -40°C to +75°C, this is the Switch of choice for harsh environments constrained by space.

# Physical Description The Port Status LEDs

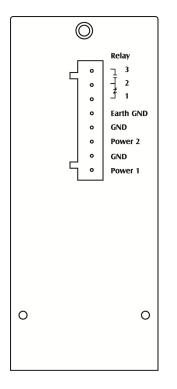






LED	State	Indication
Ф	Steady	Power on.
Power 1, 2 (Green)	Off	Power off.
$\triangle$	Steady	Relay starts alarm.
Alarm (Red)	Off	Relay non-alarm.
Gigabit Ports		
	Steady	A valid network connection established.
ဓေ	Dlinking	Transmitting or receiving data.
Link/Act (Green)	Blinking	Act stands for Activity.
	Off	No link.
	Steady	Powered Device is connected.
PoE (Amber)	Off	Powered Device is disconnected.
	Blinking	While Powered Device over 30W.

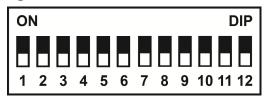
## **The Terminal Block and Power Inputs**



Power Inp	ut As	signment	
Power1	+	18~57VDC	
	_	Power Ground	
Power2	+	18~57VDC	Terminal Block
1 OWOIZ	_	Power Ground	
<b>(</b>		Earth Ground	
Relay Out	put R	ating	1A @ 250VAC

## **DIP Switch Settings**

1



DIP No.	On	Off
1~10	Port 1~10 Alarm Enable.	Port 1~10 Alarm Disable.
11~12	N/A	N/A

## The 1000Base-TX (PoE) and Gigabit Ethernet Connectors

### The 1000Base-TX (PoE) Connections

The following lists the pinouts of 1000Base-TX (PoE) ports.

	onoming note til	o piniouto en 10002 aco 171 (1 02) p
Pin	Signal Name	Signal Definition
1	TP0+	Transmit and Receive Data 0 +
2	TP0-	Transmit and Receive Data 0 -
3	TP1+	Transmit and Receive Data 1 +
4	TP2+	Transmit and Receive Data 2 +
5	TP2-	Transmit and Receive Data 2 -
6	TP1-	Transmit and Receive Data 1 -
7	TP3+	Transmit and Receive Data 3 +
8	TP3-	Transmit and Receive Data 3 -

Pin	Label	
	TP0+	12345678
	TP0-	
3	TP1+	Halitia
1	TP2+	
5	TP2-	
3	TP1-	
7	TP3+	
8	TP3-	

#### The SFP Socket Connections

The SFP socket for Gigabit fiber optic expansion.



#### 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 optical fiber is required to transmit and receive data.

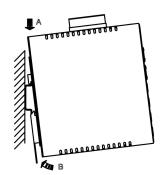


## **Functional Description**

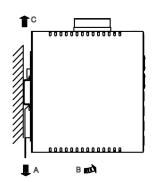
- Complies with EN61000-6-2 & EN61000-6-4 EMC Generic standard immunity for industrial environment.
- Supports 802.3/802.3u/802.3ab/802.3z/802.3x. Auto-negotiation: 10/100/1000Mbps, Full/Half-duplex. Auto MDI/MDIX.
- 1000Base-SX/LX: Multi mode SC or ST type, Single mode SC type.
   1000Base-BX: WDM Single mode SC type.
- Supports 8192 MAC addresses, 4M bits buffer memory.
- Supports IEEE802.3az Energy Efficient Ethernet (EEE).
- Supports Jumbo frame up to 9.6K Bytes.
- Port 1~8 support IEEE802.3at Power over Ethernet (PoE) Power Sourcing Equipment (PSE) and provide power up to 30W.
- Power consumption: 11.2W Max (Device only, without PoE).
- PoE power budget: 120W.
- Power Supply: Redundant 18~57VDC Terminal Block power inputs.
- Operating temperature ranges from -40°C to 75°C (-40°F to 167°F).
- DIN-Rail mount installation.

## Assembly, Startup, and Dismantling

- Assembly: Place the device on the DIN rail from above using the slot. Push the front of the device toward the mounting surface until it audibly snaps into place.
- Startup: Connect the supply voltage to start up the device via the terminal block.
- Dismantling: Pull out the lower edge and then remove the device from the DIN rail.



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W70G-EX4690AQ