



Note

1. According to IEEE 802.3af and IEEE 802.3at standard, the POEHUB4P1GAT will not inject power to the cable if not connected to IEEE 802.3af and IEEE 802.3at standard devices.

2. With IEEE 802.3af and IEEE 802.3at standard, the POEHUB4P1GAT can directly connect with any IEEE 802.3af or IEEE 802.3at standard compliant end nodes.

10/100Mbps, 10/100BASE-TX

RJ45 Connector Pin Assignment		
Contact	MDI Media Dependent Interface	MDI-X Media Dependent Interface -- Cross
1	Tx + (transmit)	Rx + (receive)
2	Tx - (transmit)	Rx - (receive)
3	Rx + (receive)	Tx + (transmit)
4, 5	IEEE 802.3af/802.3at DC 48V/52V	
6	Rx - (receive)	Tx - (transmit)
7, 8	IEEE 802.3af/802.3at DC 0V	

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4-Port IEEE 802.3at PoE+ Injector Hub



Model: POEHUB4P1GAT
User's Manual

Appendix A Networking Connection

RJ45 Pin Assignments

1000Mbps, 1000BASE-T

RJ45 Connector Pin Assignment		
Contact	MDI	MDI-X
1	BI_DA+	BI_DB+
2	BI_DA-	BI_DB-
3	BI_DB+	BI_DA+
4	BI_DC+	BI_DD+
5	BI_DC-	BI_DD-
6	BI_DB-	BI_DA-
7	BI_DD+	BI_DC+
8	BI_DD-	BI_DC-

Implicit implementation of the crossover function within a twisted-pair cable, or at a wiring panel, while not expressly forbidden, is beyond the scope of this standard.

The Standard RJ45 Receptacle/Connector

There are 8 wires on a standard UTP/STP cable and each wire is color-coded. The following shows the pin allocation and color of the straight cable and crossover cable connection:

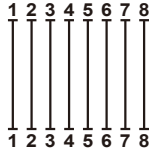
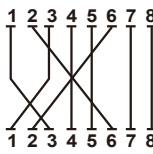
Straight Cable		SIDE 1	SIDE 2
	SIDE 1	1 = White/Orange 2 = Orange 3 = White/Green 4 = Blue 5 = White/Blue 6 = Green 7 = White/Brown 8 = Brown	1 = White/Orange 2 = Orange 3 = White/Green 4 = Blue 5 = White/Blue 6 = Green 7 = White/Brown 8 = Brown
	SIDE 2		
Crossover Cable		SIDE 1	SIDE 2
	SIDE 1	1 = White/Orange 2 = Orange 3 = White/Green 4 = Blue 5 = White/Blue 6 = Green 7 = White/Brown 8 = Brown	1 = White/Green 2 = Green 3 = White/Orange 4 = Blue 5 = White/Blue 6 = Orange 7 = White/Brown 8 = Brown
	SIDE 2		

Figure A-1: Straight-through and Crossover Cables

Please make sure your connected cables are with the same pin assignment and color as the above picture before deploying the cables into your network.

Energy Saving Note of the Device

This power required device does not support Standby mode operation. For energy savings, please remove the power cable to disconnect the device from the power circuit.

Without removing power cable, the device can still consume power from the power source. In view of Saving the Energy and reducing the unnecessary power consumption, it is strongly suggested to remove the power connection from the device if this device is not intended to be active.