

# MIT-74GD-BT

## 4 Ports 5 Gigabit PoE Injector

### USER'S MANUAL



MSTRONIC CO., LTD.

# 1. General Information

The MIT-74GD-BT is a DC/DC PoE (Power over Ethernet) Injector, provide 802.3bt PoE output maximum 90W/port (56V), data rate can be up to 5Gbps.

# 2. Hardware Description



4	3	2	1	Data in
4	3	2	1	Data + Power out

Front panel detail  
the port number is as the diagram shows.



Rear panel detail

## \*LED Indicator

There are 4 LEDs on the front panel to indicate the input and output power status of each port.

LED	STATUS	Description
1~4	Green	A valid power device is detected on this port.
	Red	No power device is detected on this port.
	Off	No valid input power.

## \*Data Input

The upper ports 1-4 on the front panel are used for Gigabit Ethernet data input.

All four ports with surge protection.

## \*Power Input

The input voltage range of MIT-74GD-BT is 52VDC to 57VDC for 802.3bt application.

## \*PoE Output

The bottom ports 1-4 on the front panel are used for carry PoE output, the output voltage is the same as input, no regulated. Normally as detailed below:

- \* Data pair A plus V- on line 1 and 2
- \* Data pair B plus V+ on line 3 and 6
- \* Data pair C plus V+ on line 4 and 5
- \* Data pair D plus V- on line 7 and 8

The MIT-74GD-BT may deliver PoE output with 90W/port @ 5000Mbps.

### 4. Technical Information

Data Rate 10M/100M/1000M/5000M  
 Input: 52VDC to 57VDC, 8.2A @52Vin  
 Output: 50-55VDC, each port with 90W  
 PoE protection over-current, over/under voltage  
 LEDs: Green-PD detect, Red-Power ready, Off-No power apply  
 Operating temperature -40°C~ +70°C  
 Operation humidity 90% relative humidity, non-condensing  
 Storage temperature -40°C~+85°C  
 Dimension 40mm(H) x118mm(W) x90mm(D) DIN RAIL Mountable

RJ-45 Input (Data Only)			RJ-45 Output (Data & Power)	
Pin	Symbol	Description	Symbol	Description
1	BI_DA+	Data Pair A+	-Vdc + BI_DA+	power(-)+Data Pair A+
2	BI_DA-	Data Pair A-	-Vdc + BI_DA-	power(-)+Data Pair A-
3	BI_DB+	Data Pair B+	+Vdc + BI_DB+	power(+)+Data Pair B+
4	BI_DC+	Data Pair C+	+Vdc + BI_DC+	power(+)+Data Pair C+
5	BI_DC-	Data Pair C-	+Vdc + BI_DC-	power(+)+Data Pair C-
6	BI_DB-	Data Pair B-	+Vdc + BI_DB-	power(+)+Data Pair B-
7	BI_DD+	Data Pair D+	-Vdc + BI_DD+	power(-)+Data Pair D+
8	BI_DD-	Data Pair D-	-Vdc + BI_DD-	power(-)+Data Pair D-

