

MIT-808G/816G/824G
Multiport Passive PoE Injector

USER'S MANUAL



MSTRONIC CO., LTD.

1. Introduction

The MIT-808G/816G/824G is a 8/16/24 ports passive PoE 1U rack mount injector, upgradeable from 8 to 24 ports, in a 10/100/1000BaseTx Ethernet network, over TIA/EIA-568 Category 5/5e/6 cabling. It is fed over spare pairs of the cabling (4/5 and 7/8).

Features

- 8/16/24 port Passive PoE Injector (No detection)
- Support 8/16/24 ports full load, max. 576W
- AC input (100-240 VAC, 50/60 Hz)
- Independent overload and short-circuit protection per module
- Individual power status indicator
- Supports IEEE 802.3af/IEEE 802.3at non-standard device
- Standard 19" or 23" rack mountable
- DIY upgrade from 8 port to 24 port available
- Mix 24V and 48V modules in a chassis available (for experience technician only)

2. Hardware Description

Front Panel

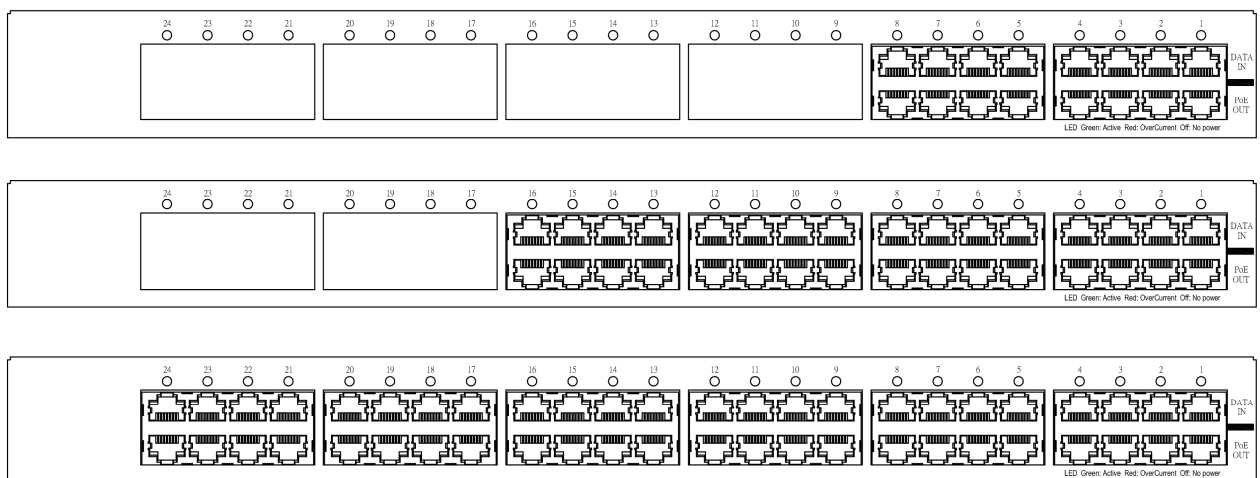


Figure 2-1. The Front panel of MSE MIT-808G/816G/824G

The Front Panel of the MSE MIT-808G/816G/824G consists of 8/16/24 x RJ-45 Ethernet ports (data), 8/16/24 x RJ-45 PoE ports (data + power), 8/16/24 x LED port indicators, each LED indicates the individual port power status.

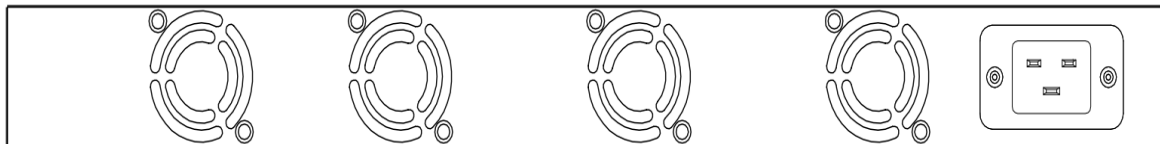
LED Indicators

The LED Indicators gives real-time information of systematic operation status.

Color	Status	Description
Green	On	Power delivering
RED	On	Over current
--	Off	No power delivered

Table 2-1. The Description of LED Indicators

Rear Panel



The AC inlet, and 2/3/4 Ventilation fans (depends on models) are located at the rear panel of MIT-808G/816G/824G. The device will work with AC in the range 100-240V AC, 50-60Hz. (MIT-808G with 2 fans 2 power modules, MIT-816G with 3 fans 3 power modules, MIT-824G with 4 fans 4 power modules).

Power On

Connect the power cord to the power socket on the rear panel of the unit. The other side of power cord connects to the power outlet. The internal power supply of the PSE works with voltage range of AC in the 100-240VAC, frequency 50~60Hz. Check the indicators on the front panel to see if power is properly supplied.

3. Technical Specification

Model	MIT-808G-24 MIT-808G-48	MIT-816G-24 MIT-816G-48	MIT-824G-24 MIT-824G-48
Data Ports	8	16	24
PoE Ports	8	16	24
Data Rates	10/100/1000 Mbps		
Output power	24V:Per port DC 24V@1A 48V:Per port DC48V@500mA		
Power consumption (maximum)	192W	384W	576W
PoE pin assignment	pair C (4&5,V+) & pair D (7&8,V-)		
AC Input	100~240VAC,50/60Hz PF>0.9		
AC Input Current require	2.2A@120VAC 1.1A@230VAC	4.2A@120VAC 2.1A@230VAC	6.3A@120VAC 3.2A@230VAC
PoE protection	Over-current:1.5A@ each Port		
Indicator	Per port: Green: PoE active Red: Over Current Off: no power		
Environment	Operating Temperature: -20°C~60°C Storage Temperature: -40°C~85°C Humidity: 10%~95%RH (no condense)		
Dimensions	430mm(L) x 290mm(W) x 44mm(H), 19"1U Rack-Mount		
Weight	3.6kg	4.3kg	5kg

System Diagram

