



MIL-L800i
8-Port Power over
Ethernet Injector Hub



MIL-L100i
1-Port Power over
Ethernet Injector



MIL-L100s
1-Port Power over
Ethernet Dual Voltage
Splitter

Best Way to Bring Power to Your Network



MIL-L800i Power Management Utility

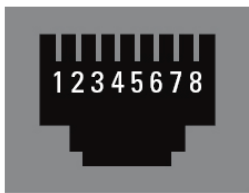
MILAN's new **EmPowered Ethernet™** Series Power over Ethernet solutions deliver unified supply of data, voice, and video as well as electrical power through a single source by sending power over standard Category 5 and above twisted pair cables. Power over Ethernet simplifies installation and eliminates the need to run separate power cords and LAN cables to each Access Point or port locations.

Power over Ethernet technology streamlines wireless infrastructure deployment and lowers installation costs. Whether on a factory floor or in an enterprise facility, running power to hard to reach locations with MILAN's Power over Ethernet solutions significantly reduce cabling and outlet requirements while providing the lowest total cost of ownership.

IEEE802.3af Compliant

MILAN's **EmPowered Ethernet™** Series Power over Ethernet solutions are IEEE802.3af compliant, which means that you are ensured of the following when deploying MILAN's PoE Solutions:

- Legacy Installation - ensures safe delivery of power to existing legacy devices as well as power-enabled terminals.
- Preservation of Cabling Infrastructure - avoids altering existing wiring and does not damage cabling infrastructure already in place.
- Data Integrity - Power delivery over Ethernet cables does not cause data degradation or loss of data integrity.



PoE Pin Assignments

PIN NO. RJ-45 SIGNAL ASSIGNMENT

- | | |
|---|------------------------|
| 1 | Output Transmit Data + |
| 2 | Output Transmit Data - |
| 3 | Receive Data + |
| 4 | Power + |
| 5 | Power + |
| 6 | Receive Data - |
| 7 | Power - |
| 8 | Power - |

Features and Benefits:

- Ensures uninterrupted network operation by providing a "power safe" path to the user
- Intelligent detection process to detect Power over Ethernet enabled terminals and protect legacy endpoints
- Furnishes easy and cost-effective installation with fewer cables and outlets
- 1U height and 19" Rack mountable (MIL-L800i only)
- Provides one central secure location for power (MIL-L800i & MIL-L100i)

SPECIFICATIONS

Models	MIL-L800i	MIL-L100i	MIL-L100s
Description	8-Port Power over Ethernet Injector Hub	Single Port Power over Ethernet Injector	Single Port Power over Ethernet Dual Voltage Splitter
Technical Specifications			
Standards Management	IEEE802.3af Compliant Microsoft Windows-based utility for power management	IEEE802.3af Compliant N/A	IEEE802.3af Compliant N/A
Power Management Functions	<ul style="list-style-type: none"> Current ports serviced list System total serviced power budget Power port disable/ enable Power support priority Power overload auto shut down Power port operation status Power consumption limit 	N/A	N/A
Hardware Specifications			
LEDs	<ul style="list-style-type: none"> System: Power Per Port: Port Forwarding, Power Off 	<ul style="list-style-type: none"> System: Power 	<ul style="list-style-type: none"> System: Power
Ports	<ul style="list-style-type: none"> Eight (8) DATA IN RJ-45 Ethernet Ports Eight (8) DATA OUT PoE Injector RJ-45 Ethernet Ports One (1) RS-232 Console Port 	<ul style="list-style-type: none"> One (1) DATA IN RJ-45 Ethernet Ports One (1) DATA OUT PoE Injector RJ-45 Ethernet Ports 	<ul style="list-style-type: none"> One (1) DATA IN RJ-45 Ethernet Ports One (1) DATA OUT PoE Injector RJ-45 Ethernet Ports One (1) POWER OUT JACK, 5.5x2 mm
Dip Switch	N/A	N/A	5V/12V Dip switch
Cable Requirements	<ul style="list-style-type: none"> 10BASE-T: 2-pair UTP/STP Cat.3,4,5 cable EIA/TIA-568 100-ohm(100m) 100BASE-TX: 2-pair UTP/STP Cat.5 cable EIA/TIA-568 100-ohm(100m) 	<ul style="list-style-type: none"> 10BASE-T: 2-pair UTP/STP Cat.3,4,5 cable EIA/TIA-568 100-ohm(100m) 100BASE-TX: 2-pair UTP/STP Cat.5 cable EIA/TIA-568 100-ohm(100m) 	<ul style="list-style-type: none"> 10BASE-T: 2-pair UTP/STP Cat.3,4,5 cable EIA/TIA-568 100-ohm(100m) 100BASE-TX: 2-pair UTP/STP Cat.5 cable EIA/TIA-568 100-ohm(100m)
Physical Specifications			
Weight	2.7 Kg	200g	150g
Dimensions	440 x 224 x 44 mm (L x D x H) 19" rack mountable	117 x 60 x 35 mm (L x D x H)	80 x 55 x 26 mm (L x D x H)
Power Requirements			
Power Output	<ul style="list-style-type: none"> -48 VDC Current (per port max.): 350mA @ 48VDC 	-48 VDC, 300 mA	5 (default) or 12 VDC
Power Input	AC 100-240V, 50/60 Hz, IEC power socket with fuse and power switch	AC 100-240V, 50-60Hz, 0.3A	-48 VDC
Power Consumption	130 Watts Maximum	TBD	TBD
Environment			
Operating Environment	0-45C, 10-90% Relative Humidity (non-condensing)	0- 40C , 90% Relative Humidity (non-condensing)	0- 40C , 90% Relative Humidity (non-condensing)
Storage Temperature	0-70C, 95% Relative Humidity (non-condensing)	0-70C, 95% Relative Humidity (non-condensing)	0-70C, 95% Relative Humidity (non-condensing)
Certifications			
EMI and Safety	FCC Class A, CE UL, cUL , CE/EN60950	FCC Class B, CE UL, cUL , CE/EN60950	FCC Class B, CE, CE/EN60950

ORDERING INFORMATION

MiLAN Part Number*	Description
MIL-L800i	8-Port Power over Ethernet Injector Hub
MIL-L100i	Single-Port Power over Ethernet Injector
MIL-L100s	Single-Port Power over Ethernet Dual Voltage Splitter

*For international part numbers, please refer to the MiLAN price list

