

PoE Midspan Family

APPLICATION

Leviton's PoE Midspans provide 48 volts of DC power over standard Ethernet cabling, eliminating the need for an external AC power source and associated wiring. Power over Ethernet is a safe, cost effective, and reliable means for powering Voice over IP phones, wireless LAN access points, IP network video cameras and other PoE-enabled devices in enterprise installations.

FEATURES

- Remote management using SNMPv3 (M3006 & M3024 only)
- Gigabit capable (M3006 & M3024 only)
- Rack mountable, 1RU height (M3006 & M3024 only)
- Remote power feeding of Ethernet Powered Devices eliminates the need for AC outlets, local UPS, and AC/DC adapters
- Universal range power input (90-264 Vac, 47/63 Hz)
- Auto-sensing for PoE compatible devices
- Independent overload and short-circuit protection per channel
- Port status indicators
- User indicator specifies which ports are in use

STANDARDS COMPLIANCE

- Supports IEEE 802.3af compliant devices
- UL/cUL Listed
- CE Marked
- GS Mark per EN60950
- FCC Part 15, Class B

PHYSICAL SPECIFICATIONS

Dimensions:

M3001 - 1.22"H x 2.36"W x 5.71"L

M3006 and M3024 - 1.75"H x 17.0"W x 11.9"D

Weight:

M3001 - 1 lb

M3006 and M3024 - 8.8 lbs

Port Density:

M3001 - 1-Port

M3006 - 6-Ports

M3024 - 24-Ports



DESIGN CONSIDERATIONS

- Maximum distance from the Midspan to the device being powered should not exceed 100 Meters
- Leviton's 1-port PoE Midspan is intended for use in 10/100 Mbps applications to power 802.3af compliant devices
- Leviton's 6- and 24-port PoE Midspans are intended for use in 10/100/1000 Mbps applications to power 802.3af compliant devices
- Midspans will only provide 48 Volt DC power to those devices that are compliant with the IEEE 802.3af "Power over Ethernet" standard
- All cabling and components should be compliant with TIA/EIA-568 Standards
- All cabling and components should be, at a minimum, Category 5 rated

WARRANTY INFORMATION

For a copy of Leviton product warranties, visit www.leviton.com.

TYPICAL SPECIFICATION

PoE Midspan shall meet IEEE 802.3af standards, be compact in dimension, and offer "plug-and-play" installation. 1-port unit shall support a 10/100 Base-T Ethernet network. 6- and 24-port units shall support a 10/100/1000 Base-T Ethernet Network. All PoE Midspans shall use TIA/EIA-568 Category 5/5e/6 cabling. Midspans shall comply with UL/cUL and CE Regulations, and include a GS Mark per EN60950.

ELECTRONIC FILES

For CAD files, Typical Specs, or Dimensional Line Art (.DXF, .DWG, MS-DOS.eps or .TXT), visit www.leviton.com.



For Technical Support Call 1-425-485-4288; in USA call 1-800-824-3005.
Spec sheets and updates are also available at www.leviton.com.

2222 - 222nd St. SE • Bothell, WA 98021 USA
Tel: 1-800-722-2082 / 1-425-485-4288 • Fax: 1-425-483-5270 • Int'l Fax: 1-425-485-9170 • GSA Schedule Available

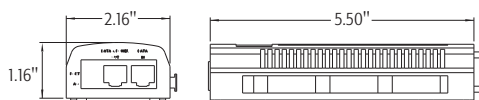
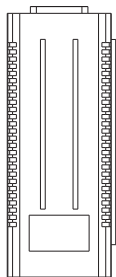


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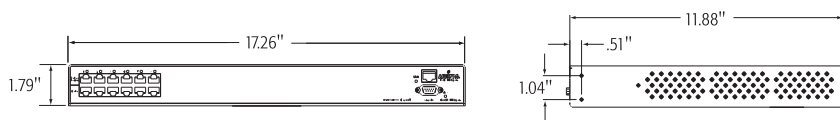
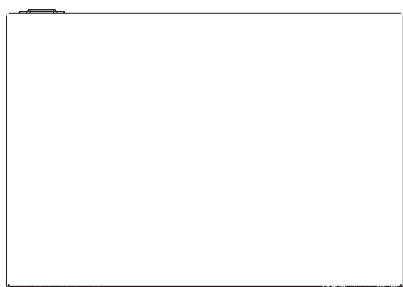
Part Number
M30XX

DIMENSIONAL LINE ART

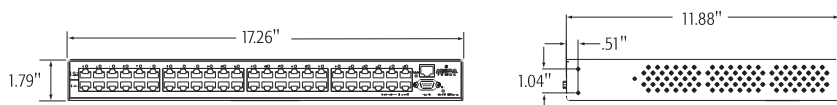
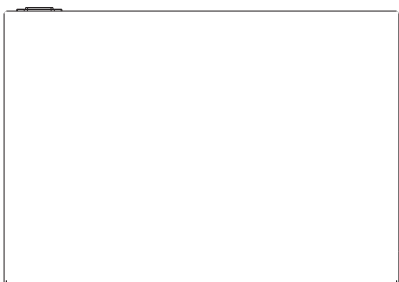
See ELECTRONIC FILES for CAD images
(.DXF, .DWG, MS-DOS.EPS)



M3001



M3006



M3024

NOTE: Illustrations not to scale.



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Part Number
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PARAMETER	DESCRIPTION
Data Rates	M3001 - 10/100 Mbps M3006 and M3024 - 10/100/1000 Mbps
PoE Output	Pin Assignment and Polarity: 4/5(+), 7/8(-) Output Power Voltage: -48 Vdc User Port Power: 15.4W min (power management) Aggregate Power: M3001 - 15.4W M3006 - 100W M3024 - 200W
Input Power Requirements	AC Input Voltage: 90 to 264 Vac AC Input Current: M3001 - 0.5A @ 110-220 Vac M3006 and M3024 - 4A @ 110 Vac, 2A @ 220 Vac AC Frequency: 47 to 63 Hz
Indicators	System Indicator: M3001 - AC Power (Green) M3006 and M3024 - AC Power (Green/Orange) User Indicator: M3001 - Channel Power (Green) M3006 and M3024 - Channel Power (Green/Orange)
Connectors	M3001 - Shielded RJ-45, EIA 568A and 568B M3006 and M3024 - Shielded RJ-45, EIA 568A and 568B DB-9, Female
Environmental Conditions	Operating Ambient Temperature: 32° to 104°F (0° to 40° C) Operating Humidity: Maximum 90%, non-condensing Storage Temperature: -4° to 158°F (-20° to 70°C) Operating Altitude: -1000 to 10,000 ft (-304.8 to 3048 m)
Thermal Rating	M3001 - 14 BTU M3006 and M3024 - 200 BTU
Electromagnetic Emission & Immunity	FCC Part 15, Class B with FTP cabling EN55022 (CISPR 22) class B with FTP cabling EN55024 (CISPR 24) VCCI

PART NUMBERS

Description	Part No.
Power over Ethernet Midspan, 1-port	M3001-1UB
Power over Ethernet Midspan, 6-port	M3006-1UB
Power over Ethernet Midspan, 24-port	M3024-1UB



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