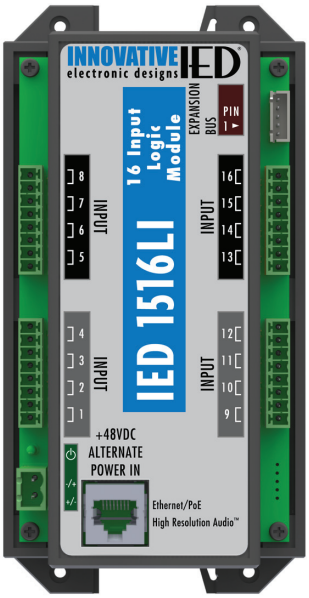
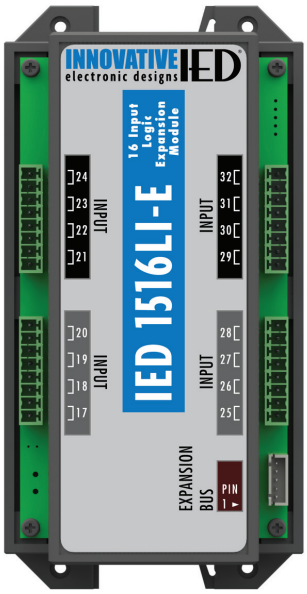
1516LI / 1516LI-E
GLOBALCOM
16 Input Logic Module





Features

- 16 optically-isolated inputs to interface with external equipment such as fire panels, security systems, etc.
- Expandable to 32 inputs using the optional 1516LI-E
- Control and configuration using a web browser and GLOBALCOM System Management Center
- Settings storage in non-volatile memory
- Full integration with the IED GLOBALCOM vACS
- IEEE 802.3af Power over Ethernet (PoE)
- Removable connectors for easy installation
- Rugged DIN-rail or panel/wall mount enclosure

Description

The 1516LI is a network logic input device used to interface with an IED GLOBALCOM announcement control system. It provides 16 optically-isolated inputs that can be driven using dry contact closures or 0 to 50VDC logic signals. A green LED is provided above each input that illuminates when activated. The announcement controller is configured using the GLOBALCOM System Management Center software where logic inputs can be used to launch announcements, pre-recorded messages, events, or fault reports.

The 1516LI-E is a 16 input expansion module that connects directly to a 1516LI to bring its total input capacity up to 32 inputs.

The device receives its power over IEEE 802.3af Power over Ethernet (PoE) and communicates with other system devices over the Ethernet network. The maximum power consumption from the PoE switch is 4 watts if the 1516LI-E is used. If the expansion unit is not used, the maximum power consumption is 3 watts. If PoE equipment is not available, an input is provided for an alternate 48VDC power supply. A green LED is provided to show that the unit is powered on. The 1516LI-E receives its power through its connection to the 1516LI.

The 1516LI and 1516LI-E are provided in an enclosure that either mounts to a DIN rail or is screwed down on a panel or wall to allow for convenient installation close to the signaling sources. The 1516LI-E connects to the 1516LI through the supplied 5-conductor expansion cable.

Specifications

Part Numbers
IED1516LI
IED1516LI-E

Electrical
Optically Isolated Inputs
Voltage Range ..... 0 – 1.6VDC (ON) / 1.7 – 50VDC (OFF)
Max Current ..... 3 mA source / 160 mA sink
Minimum Hold Time (high or low) ..... 250 ms

Power Requirements
Input Voltage ..... 48VDC (PoE Compliant with IEEE 802.3af)
Power 1516LI ..... 3 Watts max
Power 1516LI-E ..... 1 Watt max
Optional 48VDC Alternate Power Input Voltage ..... 40 - 50VDC

Indicator
Power LED ..... 1 (Green)
Input Active LEDs ..... 16 (Green)

Connectors
Inputs (4) ..... 8-pin Phoenix, 3.81 mm spacing
Ethernet/PoE ..... RJ-45 (Cat 5e or higher, 100BaseTX cable)
48VDC Alternate Power Input ..... 2-pin Phoenix, 5.08 mm spacing
Expansion Bus ..... 5-pin Connector, 2.50 mm spacing

Mechanical
Height ..... 7.01” (17.81 cm)
Width ..... 3.50” (8.90 cm)
Depth ..... 2.00” (5.08 cm)
Weight ..... 7.3 oz (206.9 g)

Environmental
Operating Temperature Range ..... –22 ˚F – +149 ˚F (–30 ˚C – +65 ˚C)

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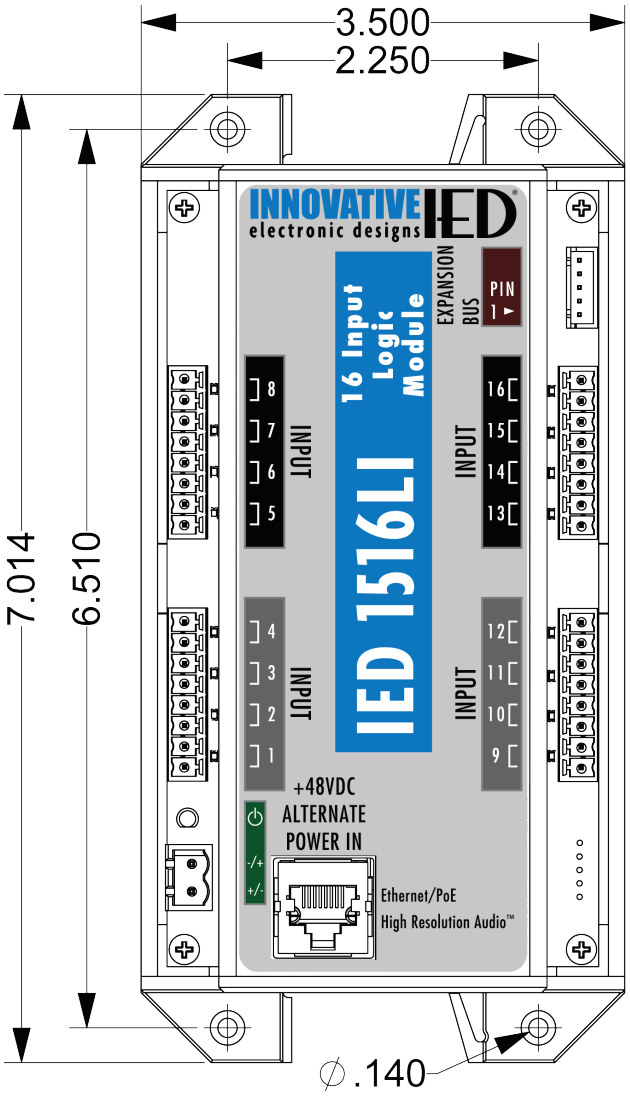
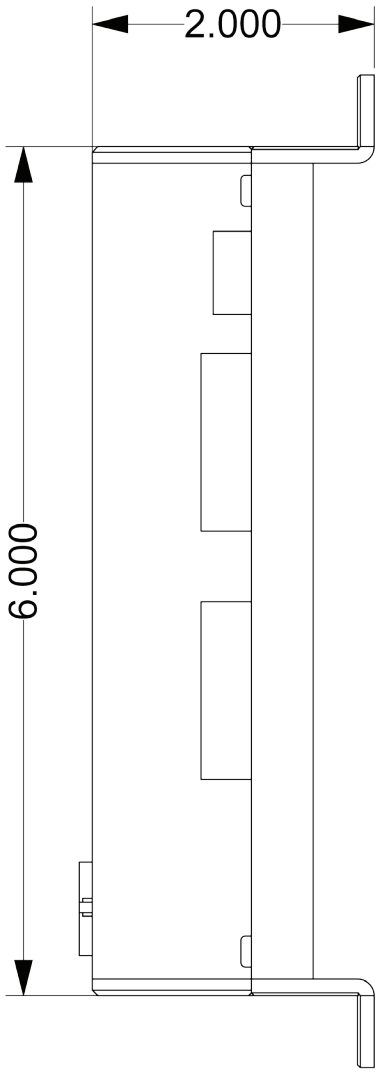
1516LI / 1516LI-E PRODUCT DIMENSIONS (Front and Side)



FRONT VIEW



SIDE VIEW

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