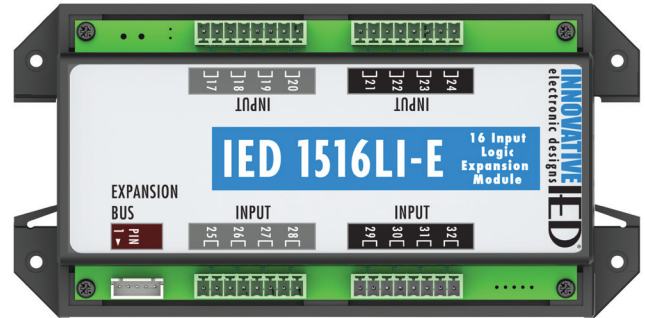
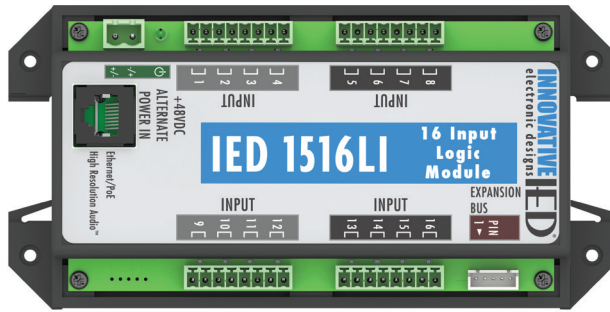


1516LI / 1516LI-E GLOBALCOM® 5400 Series 16 Input Logic Module



General Description

The 1516LI is a network logic input device used to interface with an IED 5400ACS. It provides 16 optically-isolated inputs that can be driven using dry contact closures or 0 to 50 VDC logic signals. The announcement controller is configured using the GLOBALCOM® 5400 Designer 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 3,5 watts. If PoE equipment is not available, an input is provided for an alternate 48 VDC power supply. 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.

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® 5400 Designer Software
- Settings storage in non-volatile memory
- IEEE 802.3af Power over Ethernet (PoE)
- Removable connectors for easy installation
- Rugged DIN-rail or panel/wall mount enclosure

Specifications

Electrical

Optically Isolated Inputs

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

Power Requirements

Input Voltage	48 VDC
Power 1516LI	3.5 Watts

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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Connectors

Inputs (4)	8-pin Phoenix, 3.81 mm spacing
Ethernet/PoE	RJ-45
48 V DC Alternate Power Input	2-pin Phoenix, 5.08 mm spacing
Expansion Bus	5-pin Connector, 2.50 mm spacing