

DATA SHEET

VOCIA® LSI-16

LIFE SAFETY INTERFACE



The Vocia® Life Safety Interface 16 (LSI-16) is a networked device that serves as an interface between a Vocia system and emergency or fire alarm systems. The LSI-16 may accept up to three sources of power: main power is from an external, standards compliant, battery backed 24V DC source but the LSI-16 can also utilize Power over Ethernet (PoE) delivered via either of its two network ports. The device is equipped with parallel I/O ports for direct interface to fire and emergency control equipment. The LSI-16 uses Ethernet-based control protocols to function within a Vocia system.

FEATURES

- Parallel I/O ports for direct interface with fire alarm and emergency equipment
- 8 monitored I/O and 8 control inputs
- Redundant network connection and power supply options
- Power and data over a single Ethernet cable
- Web interface for emergency device reporting
- Local storage of configuration data
- Rotary switches for unit identification
- Accepts the Interface Module 16 (IM-16) for 16 additional general purpose inputs
- Use the GPIO-1 for additional inputs/outputs
- Up to 500 virtual inputs via RS232 port or Ethernet
- Status LEDs
- Rack mountable (1RU)
- Up to 4 discrete emergency inputs
- EN 54-16 certified, CE marked, UL listed and RoHS compliant
- EN 60849 and AS 60849 verified
- Covered by Biamp Systems' 5-year warranty

ARCHITECTS & ENGINEERS SPECIFICATION

The life safety interface shall be designed exclusively for use with Biamp® Vocia systems. The life safety interface shall provide a networked emergency interface to third-party emergency and alarm systems. It shall have redundant power supply and network connections. The life safety interface shall be powered from a certified 24V DC power source or over Ethernet (PoE) via either of two network ports. The life safety interface shall have eight monitored I/O and eight control inputs and control up to four emergency zones. The life safety interface shall be EN 54-16 certified, CE marked, UL listed and shall be compliant with the RoHS directive. Warranty shall be five years. The life safety interface shall be a Vocia LSI-16.

VOCIA LSI-16 SPECIFICATIONS

Network Connection:	RJ-45 with shielded Ethernet (CAT5, CAT5e, CAT6 or CAT7)	RS232 Port:	
System Fault Relay:		Type:	DTE
Type:	Single Form C voltage-free SPST change-over contact	Baud Rate:	57600
Load:	Resistive	Power:	
Max Operating Voltage:	125VAC, 60VDC	Main:	24V DC 15W
Max Operating Current:	600mA AC, 1A DC	PoE:	802.3af Class 3
Max switching capacity:	37.5VA, 30W	Overall Dimensions:	
Min permissible load:	10µA @ 10mVDC	Height:	1.75 inches (44.5 mm)
Control Inputs:		Width:	19.0 inches (483 mm)
Number:	Eight	Depth:	10.0 inches (254 mm)
Type:	Opto Isolator LED	Weight:	6.4 lbs (2.9 kg)
Cathode presented at input - pull low to enable		Environment:	
Sink Current:		Ambient Operating Temperature Range:	23-104° F (-5 - 40° C)
Min:	1mA	Humidity:	0 - 95% non-condensing
Max:	6mA	Altitude:	0-10,000 Feet (0-3000 Meters) MSL
Maximum Terminal Voltage:	24V	Compliance:	
Isolation:	3kV		EN 54-16 certified
Monitored I/O:			FCC Part 15B (USA)
Number:	Eight		CE marked (Europe)
Type:	FET switch, open drain (low side driver)		UL and C-UL listed (USA and Canada)
Max Continuous Current:	0.35A		RoHS Directive (Europe)
Current Limit:	0.8A		EN 60849, AS 60849 verified
Maximum External Supply:	35V		
VMon Input Shutdown:	35V		

VOCIA LSI-16 BACK PANEL

