

# 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

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

## VOCIA LSI-16 BACK PANEL

