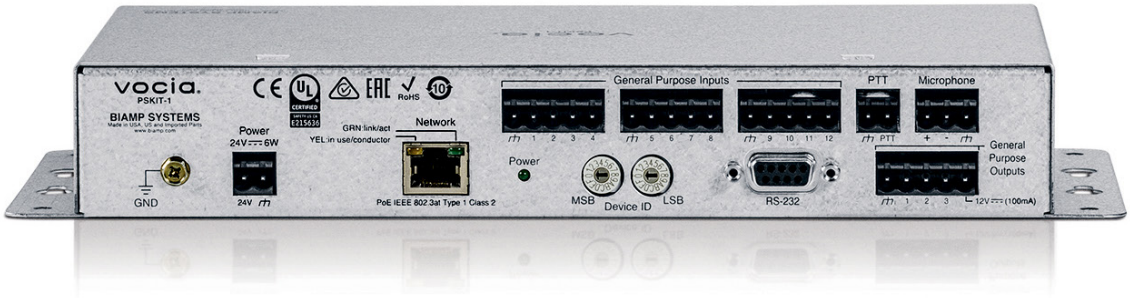
DATA SHEET
VOCIA® PSKIT-1
PAGING STATION KIT



The PSKIT-1 is a standalone paging station kit designed to allow for direct connection to third-party equipment such as fireman's microphone stations or custom designed fire panels. The PSKIT-1 features embedded DSP and on-board memory to support standard and advanced public address and mass notification functionalities. The PSKIT-1 can access 999 user-configurable page codes. Additionally, all device-specific configuration information is stored locally, which means the PSKIT-1 does not rely on a centralized controller for processing and page routing. Thus, all the processing, routing, and storage functionality in a Vocia system remains decentralized. This eliminates a single point of system failure and permits redundancy to be built directly into the network. As part of a Vocia system, the PSKIT-1 meets paging requirements for facilities of all sizes.

FEATURES

- Up to 999 user-configurable page codes
- Local digital signal processing, including gain, filters, and compressor/limiter
- Local storage of configuration data
- Local storage of default and/or custom preambles
- CobraNet® audio/control, plus power on single cable
- Dual/Redundant powering (PoE, 24V DC)
- RS-232 control of functionality for third-party control systems
- Support for an optional Biamp-supplied high-quality, handheld or gooseneck microphone
- 12 general purpose inputs
- 3 general purpose outputs
- Microphone and push-to-talk (PTT) input
- Store and forward functionality
- Sturdy, surface-mounted component housing
- Rotary ID switches for unit identification
- CE marked, UL certified and RoHS compliant
- Covered by Biamp Systems' 5-year warranty

ARCHITECTS & ENGINEERS SPECIFICATION

The paging station kit device shall be designed exclusively for use with Biamp Vocia systems. It shall provide the functionality of a networked paging station with PTT, general purpose input-output (GPIO) and RS-232 serial data interfaces in lieu of user controls. Audio connections shall be provided externally for a dynamic microphone and internally for a monitored, dual capsule dynamic microphone. The paging station kit device shall be powered from a 24V DC power source or over Ethernet (PoE) via the network port. It shall have twelve GPIO inputs suitable for dry contact connections and three outputs suitable for driving LEDs. It shall appear in Vocia software as a ten-button wall-station paging device. The paging station kit device shall be a surface mount device. It shall be CE marked, UL listed and shall be compliant with the RoHS directive. Warranty shall be five years. The paging station kit device shall be a Vocia PSKIT-1.

VOCIA PSKIT-1 SPECIFICATIONS

Network Connection:	RJ45 with shielded Ethernet (CAT5, CAT5e, CAT6, or CAT7)
Frequency Response (100Hz ~ 20kHz):	+0, -1dB
Effective Input Headroom:	30dB
System Headroom:	18dB
Gain:	Adjustable in 1dB steps over a 30dB range
Nominal Input Level:	-50dBu
THD+N (20Hz ~ 8kHz):	<0.05%
General Purpose Inputs:	
Quantity:	12
Type:	Contact Closure / TTL
TTL Logic Low:	0 – 0.8V
TTL Logic High:	2-5V
General Purpose Outputs:	
Quantity:	3
Max Continuous Current:	200mA
Max External Supply:	40V
Reference Output:	12V DC 100mA
Power:	
PoE:	802.3at Type 1 Class 2
DC Power:	24V DC 6W

RS-232:	
Baud:	57600 bps
Data Bits:	8
Parity:	None
Stop Bits:	1
Flow Control:	None
Overall Dimensions:	
Height:	1.6 inches (41 mm)
Width:	5.2 inches (133 mm)
Depth:	11.5 inches (293 mm)
Weight:	2.3 lbs (1.0 kg)
Environment:	
Ambient Operating Temperature Range:	32-113° F (0 – 45° C)
Humidity:	0 – 95% non-condensing
Altitude:	0 – 10,000 Feet (0 - 3,000 Meters) MSL
Sample Rate:	48kHz
A/D Converters:	24-bit
Compliance:	FCC Part 15B (USA) CE marked (Europe) UL listed (USA and Canada) RCM (Australia) EAC (Eurasian Customs Union) RoHS Directive (Europe)