DATA SHEET
VOCIA® DS-4
DESKTOP PAGING STATION

The DS-4 is a desktop networked paging station for use in Vocia® systems. The DS-4 features embedded DSP and on-board memory to support standard and advanced public address functionalities. The DS-4 can store four user-configurable page codes. Additionally, all device-specific configuration information is stored locally, which means the DS-4 does not rely on a centralized controller for processing and page routing. Thus, the processing, routing and storage functionality in a Vocia system is decentralized, which eliminates any centralized point of failure. As part of the Vocia system, the DS-4 meets paging requirements for facilities of all sizes.

FEATURES

- Push-to-talk button with status indication
- Four software configurable non-emergency priority paging levels
- Local digital signal processing, including gain, filters, and compressor/limiter
- Local storage of configuration data
- Local storage of default and/or custom preambles
- Built-in store and forward functionality
- CobraNet® audio/control with dynamic use of available bundles, plus power over single Ethernet cable

- Backlit liquid crystal display (LCD)
- Optional PIN to restrict unauthorized use
- Auxiliary Port provides connection for power, line-level audio, and bi-directional RS232 for transmitting Vocia Text Protocol (VTP) commands
- High-quality gooseneck cardioid microphone
- Sturdy component housing
- Rotary ID switches for unit identification
- CE marked and RoHS compliant
- Covered by Biamp Systems' 5-year warranty

ARCHITECTS & ENGINEERS SPECIFICATION

The desktop paging station shall be designed exclusively for use with Biamp® Vocia® systems. The desktop paging station shall provide paging audio and control data via CobraNet,® and receive Power over Ethernet (PoE), utilizing a single (CAT5) network cable to a rear panel RJ45 connector. Four buttons shall be provided on the front panel for assigning page codes with optional preambles. Multiple desktop paging stations may be connected to a Vocia system by means of Ethernet switches. Four software configurable non-emergency priority paging levels shall be available. The desktop paging station shall include override, store and forward, and lock-out capabilities. Each desktop paging station shall provide local digital audio signal processing, local storage of configuration data, and preambles. Desktop paging stations shall have a backlit LCD screen, PIN code accessibility and a gooseneck cardioid microphone. The desktop paging station shall be CE marked and shall be compliant with the RoHS directive. Warranty shall be five years. The desktop paging station shall be a Vocia DS-4.

VOCIA DS-4 SPECIFICATIONS

Network Connection:	RJ45 with shielded Ethernet (CAT5, CAT5e, CAT6 or CAT7)	**Power:**	802.3af (PoE) Class 2
Frequency Response (100Hz ~ 20kHz):	+0, -1dB	**12V DC Out:**	50mA
THD+N (100Hz ~ 8kHz):	<0.05%	**RS-232:**	57600 kbps
Effective Input Headroom:	30dB	**Overall Dimensions (excl. microphone):**	
System Headroom:	18dB	**Height:**	2.1 inches (54 mm)
Gain:	Adjustable in 1dB steps over a 30dB range	**Width:**	9.5 inches (241 mm)
		Depth:	4.0 inches (102 mm)
Input Impedance:	3kΩ	**Weight:**	3.1 lbs (1.4 kg)
Maximum Input:	125dB SPL	**Environment:**	
Balanced Line In:	-10dB Nominal	**Ambient Operating Temperature Range:**	23-104° F (-5 – 40° C)
Mic Type:	Dynamic microphone with dual transducer (monitored)	**Humidity:**	0 – 95% non-condensing
		Altitude:	0-10,000 Feet (0-3000 Meters) MSL
Mic Pattern:	Cardioid	**Sample Rate:**	48kHz
Mic Frequency Response:	100Hz-10kHz	**A/D Converters:**	24-bit
Mic Gooseneck Length:	12.5 inches (317.5mm)	**Compliance:**	
PTT:	Switch contact between pin and ground		CE marked (Europe) RoHS Directive (Europe)

VOCIA DS-4 BOTTOM VIEW