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 user-configurable page codes
- Up to 255 software configurable 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 RJ-45 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. The desktop paging station shall support up to 255 software configurable paging priority levels. 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
Frequency Response (100Hz ~ 20kHz):	+0, -1dB
THD+N (100Hz ~ 8kHz):	<0.05%
Effective Input Headroom:	30dB
System Headroom:	18dB
Gain:	Adjustable in 1dB steps over a 30dB range
Input Impedance:	3kΩ
Maximum Input:	125dB SPL
Balanced Line In:	-10dB Nominal
Mic Type:	Dynamic microphone with dual transducer (monitored)
Mic Pattern:	Cardioid
Mic Frequency Response:	100Hz-10kHz
Mic Gooseneck Length:	12.5 inches (317.5mm)
PTT:	Switch contact between pin and ground

Power:	802.3af (PoE) Class 2
12V DC Out:	50mA
RS-232:	57600 kbps
Overall Dimensions (excl. microphone):	
Height:	2.1 inches (54 mm)
Width:	9.5 inches (241 mm)
Depth:	4.0 inches (102 mm)
Weight:	3.1 lbs (1.4 kg)
Environment:	
Ambient Operating Temperature Range:	23-104° F (-5 – 40° C)
Humidity:	0 – 95% non-condensing
Altitude:	0-10,000 Feet (0-3000 Meters) MSL
Sample Rate:	48kHz
A/D Converters:	24-bit
Compliance:	CE marked (Europe) UL and C-UL listed (USA and Canada) RoHS Directive (Europe)

VOCIA DS-4 BOTTOM VIEW

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