HARDWARE DATASHEET

P/N: SPKR-IP5-FD

Paging & Intercom

Low-profile Two-way Wall Speaker

IP-Enabled 5" Speaker, Paging and Full Duplex Talk-Back and Acoustic Echo Cancellation

Description:

The Digital Acoustics Low-profile, Two-way Wall Speaker (**SPKR-IP5-FD)** is a completely self-contained unit with a powerful 8-watt amplifier and built-in microphone and echo-cancellation for clear two-way audio. The speaker is designed for PA, General Announcements and Emergency Notification for indoor environments.

These Two-way Wall Speakers are simple to install (connect to your existing Ethernet network) and provide a cost effective PA solution for any setting including Classrooms, Retail Spaces, Warehouses, Corporate Offices, and more.

Features:

- **Integrated 8 Watt IP Audio Amplifier**
- **Microphone for two-way talk-back with Echo Cancellation**
- **Power-over-Ethernet (PoE)**
- **Multicast Protocol enables seamless, low-bandwidth audio**
- **Hardened surface-mount design for demanding indoor environments**
- **Deploy with TalkMaster™ Focus, VoIP telephones, custom software, or third-party applications**
- **Single CAT 5/5e/6 cable installation**
- **One SPKR-IP5-FD can be used for paging and two-way talk back for rooms up to 30'x30'**
- **Heavy duty steel with white epoxy powder coated finish**

(See "Recommended Accessories" or call buttons)
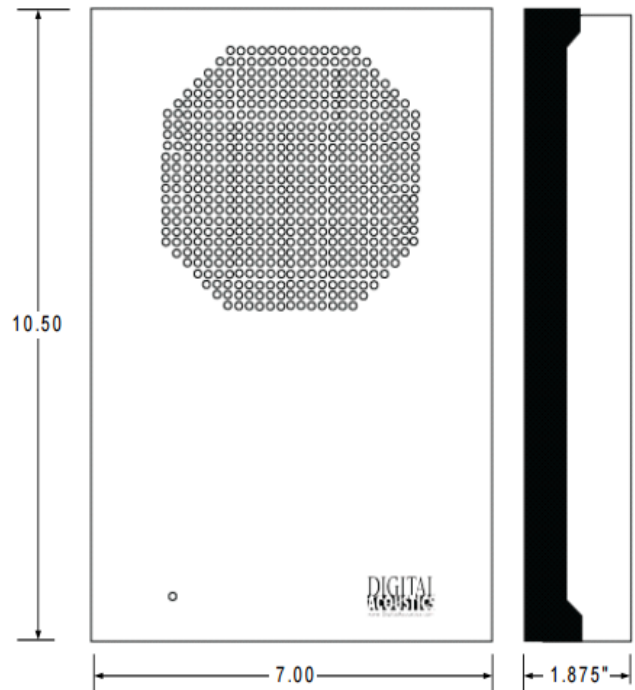
Hardware Specifications:

SPEAKER

Speaker Type and Size 5 ¼ ", 8 ohm
Speaker Power Rating 10 watts (EIA 462A)
Magnet Type and Weight BeFe Ceramic 4.8 oz.
Sensitivity 91 dB SPL at 1 Watt 1 Meter
Maximum SPL 97 dB SPL at 4 Watts 1 Meter
Dispersion 90 degrees Included Angle
Frequency Response 100 Hz - 10 kHz (EIA 462A)
Weight 4.5 pounds
Typical Coverage 30' x 30' enclosed room

Integrated IP7-FD

Network Protocols TCP, UDP, RTP, SIP, ICMP, IGMP Multicast
Network Interface 10/100 Base-T Ethernet, Auto-MDIX
Core Technology ICC-512 50 MIPS System on a Chip
IP Address Assignment Static, DHCP
Transport Bandwidth Nominal 64kbps
Audio Protocol 8-bit PCM/G.711 uLaw
Audio Latency <200ms Auto-Adaptive
Amplifier Type Class D, Balanced Transformerless (BTL)
Speaker Out 8 Watt
Microphone Balanced, Pseudo-Differential / AGC > 40dB
External I/O Relay: 250 VAC / 30 VDC @ 60W / 1500 VAC Isolation; Sensor Input: External Active Low
Power PoE (15.4W), 802.3af Standard
Diagnostics LED Status, USB, Temperature & Power Monitoring
Programming Flash (USB), Ethernet
Fault-Management Advanced Fail-Forward™
Connector I/O 3.81 MM DIN Pluggable, RJ45, USB-B, RJ10
Direct Peripheral Support Mic/Line In, Speaker, PTT, Relay (NO/NC), Sensor
Temperature (°C) -30~70 (Operating), -40~85C (Storage)
Size 3.85 x 3.59 x 1.37 in (98 x 91 x 35 mm)

Connection Modes:
TalkMaster™ Focus Endpoint
SIP 2.0 Endpoint
Hybrid TalkMaster™ Focus/SIP 2.0 Endpoint
Direct Mode
Singlewire Informacast

Dimensions are in Inches

RECOMMENDED ACCESSORIES:

PNL-CIB2 1 Gang Call Button (Vandal Resistant)
PNL-CIB6 2 Gang Call Button (Vandal Resistant)
PNL-CIB8 Door Mullion Call Button (Vandal Resistant)

Visit www.DigitalAcoustics.com to learn about software products to complete your IP audio system.