DIGITAL ACOUSTICS

Intercom

Full Duplex IP Intercom

IP Intercom Endpoint for Call Station Interface

Features:

- **True Full-Duplex IP Intercom with Acoustic Echo Cancellation**

- **Converts analog call station to IP-based two-way communications**

- **Power-over-Ethernet (PoE) only**

- **Low cost alternative to the industrial IP7-FD**

- **Deploy with TalkMaster™ Focus, VoIP telephones, custom software, or third-party applications**

- **Single CAT 5/5e/6 cable installation**

- **2-port 10/100 network switch (connect a second device)**

- **Includes connections for Mic, Speaker, Call button, Sensor and programmable LED output**

- **Simple configuration and flexible installation**

Description:

Digital Acoustics Full Duplex Intercom (**IP7-FDM)** is a compact, low cost, PoE only module that can be paired with an 8-ohm speaker, electret microphone, and call button, to provide a conversion from analog audio to IP. The Plastic enclosure can be removed to incorporate a board into your custom application.

The IP7-FDM is ideal when retrofitting an existing analog system to a quality IP audio solution. When used with Digital Acoustics' TalkMaster™ Software, you can have a simplified and convenient management tool for paging and intercom control all from a single PC.

Hardware Specifications:

Network Protocols TCP, UDP, RTP, SIP, ICMP, IGMP Multicast
Network Interface 10/100 Base-T Ethernet, Auto-MDIX
Network Ports (RJ 45) 2
Core Technology ICC-512 50 MIPS System on a Chip
IP Address Assignment Static, DHCP
Transport Bandwidth Nominal 64kbps (Voice)
Audio Protocol 8-bit PCM/G.711 uLaw
Audio Latency <200ms Auto-Adaptive
Amplifier Type Class D, Balanced Transformerless
Speaker Out 1 Watt @ 8 Ohms
Microphone Balanced, Pseudo-differential / AGC > 40dB
PoE Standard 802.3af (6.5W)
Power Voltage PoE Only
Diagnostics LED Status, Temperature and Power Monitoring
Programming Flash programmable via Ethernet
Fault-Management Advanced Fail-Forward™ fault detection
Connector I/O 3.81mm DIN Pluggable
Direct Peripheral Support Push To Talk button, Sensor,
Programmable LED output
Size 3.75 x 3 x 1.125 in (96 x 77 x 29 mm)

Connection Modes:

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

Dimensions 3.75 x 3 x 1.125

RoHS COMPLIANT

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