

Intercom

Full Duplex IP Intercom

IP Intercom endpoint for Call Station & Paging Speaker Interface



Description:

Digital Acoustics Full Duplex IP Intercom module (**IP7-FD**) is a flexible, PoE ready device that easily and conveniently converts analog call stations or speakers to IP based two-way communication. The IP7-Series uses PoE power from the network.

The on-board relay can be used for remote door lock, triggers, and signals. 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.

Features:

- True Full-Duplex with Acoustic Echo Cancellation
- Converts analog call station or speaker to IP-based two-way communications
- Power-over-Ethernet (PoE)
- Multicast Protocol enables seamless, clear, low-bandwidth audio
- Integrated 8-watt IP Audio Amplifier
- 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)
- Simple configuration and flexible installation
- On-board relay and sensor for door/gate access control and management

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

Audio Line In Nominal 1V p/p

Amplifier Type Class D, Balanced Transformerless

Speaker Out 1 Watt

Microphone Balanced, Pseudo-differential / AGC > 40dB

External I/O Relay: 250 VAC / 30VDC @ 60W / 1500 VAC
Isolation; Sensor InputS External Active Low

Power Voltage 12VDC @15W

PoE Standard 802.3af (15.4W)

Diagnostics LED Status, Temperature and Power Monitoring

Programming Flash programmable via USB, Ethernet

Fault-Management Advanced Fail-Forward™ fault detection

Connector I/O 3.81mm DIN Pluggable, RJ45, USB-B, RJ10

Direct Peripheral Support Mic In, Line In, PTT, Relay (NO/NC),
Sensor, I2C

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:

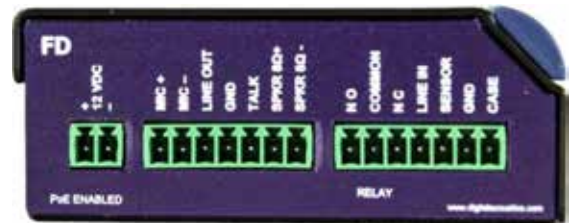
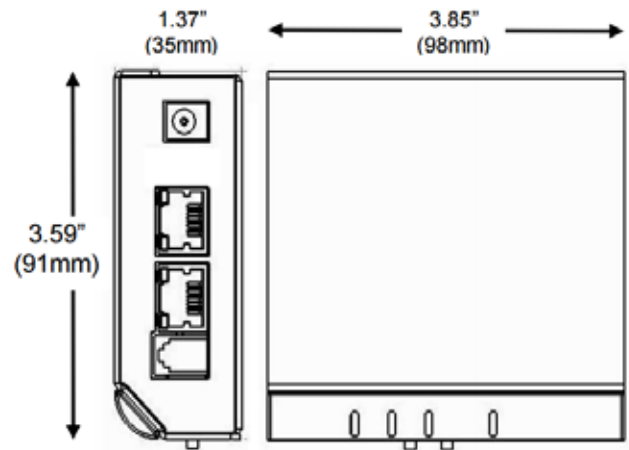
TalkMaster™ Focus Endpoint

SIP 2.0 Endpoint

Hybrid TalkMaster™ Focus/SIP 2.0 Endpoint

Direct Mode

Singlewire Informacast



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

