

Intercom

## Half Duplex IP Intercom

IP Intercom endpoint for Call Station & Paging Speaker Interface



### Description:

Digital Acoustics Half Duplex IP Intercom modules (**IP7-STx and IP7-SE8**) are flexible, PoE ready devices that easily and conveniently convert 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:

- Available 1 watt & 8 watt versions
- Converts analog call station or speaker to IP-based two-way communications
- Power-over-Ethernet (PoE)
- Multicast Protocol enables seamless, low-bandwidth audio
- Durable industrial design with DIN rail or surface mount options included
- Deploy with TalkMaster™ Focus, VoIP (SIP) telephones, custom software, or third-party applications
- Single CAT 5/5e/6 cable installation
- 2-port 10/100 network switch (pass thru Ethernet)
- Simple configuration and flexible installation
- Converts analog amplifier paging zone to IP

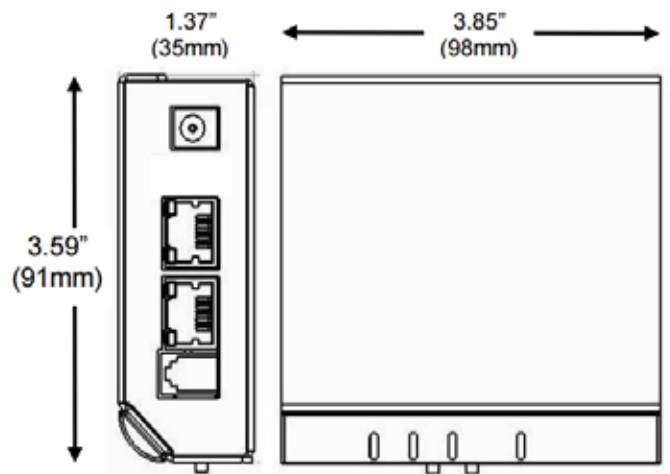
## Hardware Specifications:

**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/Out** Nominal 1V p/p  
**Speaker Out** 1 Watt (IP7-STx) or 8 Watt (IP7-SE8)  
**Microphone** Balanced, Pseudo-differential / AGC > 40dB  
**External I/O** Relay: 250 VAC / 30VDC @ 60W / 1500 VAC  
 Isolation; Sensor Inputs External Active Low  
**Power Wattage (Nominal)** 5 (IP7-STx) or 15 (IP7-SE8)  
**PoE Standard** 802.3af standard (STx 7 W) (SE8 15.4 W)  
**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,  
**Direct Peripheral Support** Mic In, Line In, Line Out, 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

**NOTE: THE USE OF AN IP7-SE8 IN SINGLE TRANSDUCER MODE REQUIRES THE PURCHASE OF (1) IP7-MSR-BRD PER IP7-SE8**



Visit [www.DigitalAcoustics.com](http://www.DigitalAcoustics.com) to learn about software products to complete your IP audio system.

