



HARDWARE DATASHEET

P/Ns: IP7-STx, IP7-SE8

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

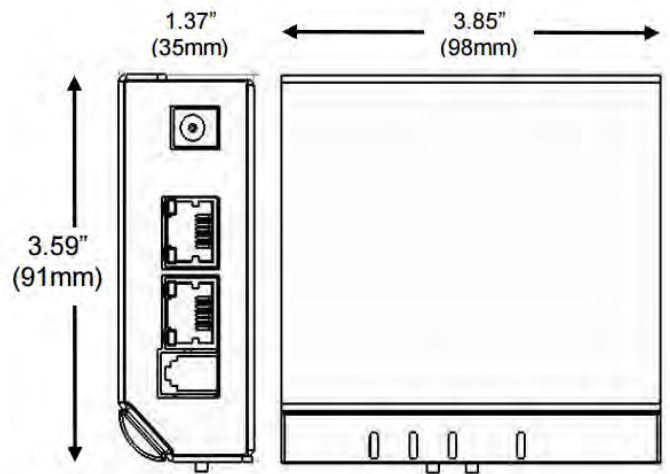
Hardware Specifications:

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 to learn about software products to complete your IP audio system.

