**Description**

The IMS-640 is a telephone style intercom master station that uses Voice over Internet Protocol (VoIP). The IMS-640 connects to an exchange via the Inter Exchange Network (an Ethernet network).

The IMS-640 includes a large 128x64 pixel graphical display and provides the operator with audio communication, paging, and monitoring functions as well as alarm and control functions. It also permits the operator to receive and place calls, make public address and station group call announcements, and manage system background music operations. Other features include the ability to acknowledge, cancel, and reset incoming alarms and to monitor, activate and deactivate output points.

**Features**

- high quality desk telephone
- handset or handsfree microphone and speaker
- large backlit graphical display 128x64 pixels
- standard 12 button keypad
- four context-sensitive LCD softkeys
- dedicated keys for: Release, Mute, Speaker, Volume, Control, and Navigation
- headset jack
- hearing aid compatible
- configurable ring tones and ringer volume
- visual alarm indicator
- two position stand
- PC uplink Ethernet port
- 36 Vdc wall adapter (included) or Power-over-Ethernet (POE)
- 14 user configurable keys

**Software Features Supported**

- Paging
- Station Directory
- Call Transfer
- Auto Dialer
- Hold
- Press to Talk (PTT)
- Monitor
- Conferencing
- Adjustable Volume
- Microphone Sensitivity
- Security Functions
- Caller ID & Call waiting
- Caller Priority

**Specifications**

**Physical Form Factor** 8.5” x 8” x 2”
(21.6 x 20.2 x 5.0 mm)

**Environmental**

- Operating Temperature 32 to 122 °F (0 to 50 °C)
- Storage Temperature -40 to 158 °F (-40 to 70 °C)
- Humidity 0 to 95 % non-condensing

**Power Requirements**

- Auxillary 36 Vdc wall adapter (30 to 58 Vdc) or PoE IEEE 802.3af class 2 compliant

**Connections**

- Handset port RJ9 connector
- Headset port RJ9 connector
- LAN Ethernet port RJ45 connector
- PC uplink Ethernet port RJ45 connector
- Power connector DC jack

**Cabling**

Cat5/Cat5e/Cat6
320 ft (100 m) maximum length

**Standards**

- LAN 10/100Mbps
- Safety - U1950/CSA22.3 No 950
- EMI - FCC Part 15
Ordering Information

Part Number IMS-640-A
A PoE
0 none
1 PoE

Accessories

PSU-136-0.15 36V/150mA Replacement Power Supply