

# Ruggedized Tamper Resistant SIP Intercom

## SI-I12 SIP Intercom

The i12 IP Intercom is a ruggedized SIP intercom with a front plate made from an aluminum alloy material and a cast aluminum back plate. The i12 SIP Intercom is waterproof, dustproof and IP65 certified. Built-in tamper detection assists with maintaining the integrity of the unit.

### Highlights

- Supports one call button
- Record voice and video to DVR
- Two inputs to support connections to sensors or relays
- External voice output speaker with G722 HD voice and background music
- Compatible with Ericsson-LG iPECS, Asterisk, 3CX, Metaswitch, Elastix, Avaya, etc.



### Generic

- 2 SIP Lines
- Full Duplex Speaker Phone
- Intelligent Speed Dial (DSS)
- Wall mount installation
- 2 imbedded short circuit input interfaces
- 2 imbedded short circuit output interfaces. Support 4 controlled events: remote DTMF, remote server commands, interaction with short circuit input, talk status
- Output interface for active speaker
- Audio record output interface
- External power supply
- Multicast
- All in One: Radio and intercom, intelligent security function
- Industrial Security Certifications: IP65, IK10, CE/FCC

### Call Features

- Intercom
- Speed Dial
- Auto Answer (per line)
- Voice message (no server)
- Local 3-way conference

### Intercom Function

- Call log (900 entries; in/out/missed)
- Programmable DSS/Soft keys
- Network Time Synchronization
- Action URL/Active URI

### Audio

- Narrow band Codec: G.711a/u, G723.1, G.726-32K, G729AB
- Wideband Codec: G722
- Full Duplex Acoustic Echo Cancellation (AEC) Hands-free mode, 96ms tail length
- Voice Activity Detection (VAD) / Comfort Noise Generation (CNG) / Background Noise Elimination (BNE)
- Packet Loss Concealment
- Dynamic Adaptive Jitter Buffer up to 300ms
- DTMF: In-Band, Out-of-Band – DTMF Relay (RFC2833) / SIP INFO
- Omnidirectional pickup: up to 5 meters or 16.5 feet

### Networking

- Physical: 10/100 Ethernet
- IP Configuration: Static, DHCP, PPOE
- Network Access Control: 802.1x
- VPV: L2TP (Basic Unencrypted), Open VPN
- VLAN
- QoS

### Deployment and Maintenance

- Auto provisioning via FTP/TFTP/HTTP/HTTPS/DHCP OTP66/SIP
- Web Management Portal
- Web-based packet dump
- Configuration Export/Import
- Firmware Upgrade
- Syslog

### Protocols

- SIP 2.0 over UDP/TCP/TLS
- RTP/RTCP/SRTP
- STUN
- DHCP
- LLDP
- PPPoE
- 802.1x
- L2TP
- OpenVPN
- SNTP
- FTP/TFTP
- HTTP/HTTPS
- TR-069

### Physical Specifications

- 1 DSS key (Speed Dial)
- RJ45 Ethernet Connection x2, Network x1, PC x1 (Bridge to network)
- Main Chipset: Broadcom
- Passive Switch: normally open or normally closed at 30V/1A AC/DC
- Output interface for active speaker
- Audio record output interface
- 2 imbedded short circuit input interfaces
- 2 imbedded short circuit output interfaces
- Speaker: 3W/4Ω
- Cable: Cat5 or better
- Power supply: 10~14V/1.5A DC or PoE
- Shell material: Front plate – aluminum alloy; back plate – cast aluminum
- Protection level: IP65, IK10
- Working temperature: -40° to 158°F
- Storage temperature: -40° to 158°F
- Working humidity: 10 to 90% non-condensing
- Overall dimensions: 7.6 x 4.75 x 1.5 inches (HxWxD)
- Package dimensions: 10.25 x 6.5 x 2.5 inches (HxWxD)
- Package weight: 1.8Lb

The above specifications may be updated in the future without prior notice. All hardware/software/physical features should be based on the final shipped products. For more information, please visit: [www.pmpowerproducts.com](http://www.pmpowerproducts.com)

#### Compatibility List:

