IP
Intercom

i12

The front plat of this model is aluminum alloy material with cast aluminum back plate, it makes sure that this model support waterproof, dustproof function and IP65 protection level; We also use build-in tamper-proof detector to prevent external destroy.

Highlights

- Support one call key and two keys mode to choose.
- With voice record output, can connect to hard disk video recording.
- Two input, support to connect with infrared probe, door sensor, vibration sensor and emergency button etc., build the security linkage.
- Two output, can connect with alarm lamp, locks and other equipment, control the security linkage through DTMF, remote server or two output input linkage controller.
- With external active speaker output interface, support HD voice(G.722) background music broadcast.
- High compatibility – Compatible with major platforms:Aterisk, Broadsoft, 3CX, Metaswitch, Elastix, Avaya etc.

Specification

Generic
2 SIP Lines
Duplex speaker phone (HF)
Intelligent DSS Keys(Speed dial)
Wall-mount installation
2 embedded short circuit input interfaces
2 embedded short circuit output interfaces. Support 4 controlled events: remote DTMF; remote server's commands; interaction with short circuit input; talking status
Output interface for active speaker
Audio record output interface
External Power Supply
Multicast
All in ONE: Radio and intercom, intelligent security function
Industrial Standard Certifications: IP65, IK10, CE/FCC

Call Features
Intercom
Speed Dial
Auto-Answering (per line)
Voice Message (on 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
Narrowband Codec: G.711a/u, G.723.1, G.726-32K, G.729AB
Wideband Codec: G.722
Duplex intercom with Acoustic Echo Canceller(AEC)-Hands-free mode, 96ms tail-length
Voice Activity Detection (VAD) / Comfort Noise Generation (CNG) / Background Noise Estimation (BNE)
Packet Loss Concealment (PLC)
Dynamic Adaptive Jitter Buffer up to 300ms
DTMF: In-band, Out-of-Band – DTMF-Relay (RFC2833) / SIP INFO
Omnidirectional pickup: the pickup distance is up to 5 meters

Network

- Physical: 10/100 Mbps Ethernet
- IP Configuration: Static / DHCP / PPPoE
- Network Access Control: 802.1x
- VPN: L2TP (Basic Unencrypted) / OpenVPN
- VLAN
- QoS

Protocols

- SIP2.0 over UDP/TCP/TLS
- RTP/RTCP/SRTP
- STUN
- DHCP
- LLDP
- PPPoE
- 802.1x
- L2TP
- OpenVPN
- SNTP
- FTP/TFTP
- HTTP/HTTPS
- TR-069

Deployment & Maintenance

- Auto-provisioning via FTP/TFTP/HTTP/HTTPS/DHCP OPT66 /SIP PNP/TR-069
- Web management portal
- Web-based packet dump
- Configuration export / import
- Firmware upgrade
- Syslog

Physical Specifications

- 1 DSS key (Speed Dial)
- RJ45 Ethernet Jacket x2: Network x1, PC x1 (Bridged to Network)
- Main Chipset: Broadcom
- Passive Switch: Normally Open and Normally Closed highest at 30V/1A AC/DC
- Output interface for active speaker
- Audio record output interface
- 2 embedded short circuit input interfaces
- 2 embedded short circuit output interfaces
- Speaker: 3W/4Ω
- Cables: 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 and IK10
- Working Temperature: -40~70°C
- Storage Temperature: -40~70°C
- Working Humidity: 10~90%
- Overall Dimension: 195x120x39mm (W x H x L)
- Package Dimensions: 260x165x62mm (W x H x L)
- Package Weight: 0.85kg