PM Power Products

SDP-20S SIP Door Phone

The design of the PM Power Products SDP-20S SIP Door Phone is based on our experience and knowledge of IP phone development. The SDP-20S uses standard IP/RTP/RTSP protocol for voice transmission and enjoys the advantages of full SIP compatibility. The SDP-20S has a variety of enterprise-level features and is compatible with the Ericsson-LG iPECS platforms eMG-80/800, UCP100/600/2400 and LIK-MFIM processors utilizing the 3rd Party SIP Extension license.

Standard SIP operation lends itself to use with most current IP PBX systems or in a standalone configurations using a SIP connection.

The SDP-20S SIP Door Phone is designed for operation in indoor environments or protected areas. The robust mechanical construction offers protective coverage rating against dust and water (IP54). The SDP-20S is an economical device with triple function (All in 1) Access control activated by call, passcode and/or RFID card or key FOB.

Product Highlights

✓ Compatible with standard SIP (RFC3261) protocol and IPPBX/IMS platform
✓ Access Control (by call, by code, IC/RFID)
✓ All-in-One (Access Control, Intercom and Broadcasting)
✓ Build-in 3W speaker and AEC, support high quality hands-free communication
✓ Status indication icon
✓ System online maintenance and management

Generic

● 2 SIP Lines
● POE Enabled
● Full-duplex speakerphone (HF)
● Intelligent DSS Keys (Speed Dial)
● Wall-mount installation
● Integrated RFID Card reader
● Integrated indoor switchgear
● Integrated one Relay
● External Power Supply
● All-in-One: Access Control, Intercom and Broadcasting
● Access control-by call, code, RFID card
● Industrial Standard Certifications: IP65, CE/FCC

Call Features

● Intercom
● Speed Dial
● Auto-Answering (per line)
● Voice Message (on server)
● Local 3-way Conference
● Hot Line

Audio

● Narrowband CODEC: G.711a/u, G.723.1, G.726-32K, G.729AB
● Wideband CODEC: G.722
● Full-duplex 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

Networking

● 802.3af PoE
● IP Configuration: Static / DHCP / PPPoE
● Network Access Control: 802.1x
● VPN: L2TP / PPTP / IPSec
● VLAN: 802.1p/q
● QoS: DSCP

Phone Features

● Open Door Log
● Access Table (500 entries)
● Support RFID Card issues (500 entries)
● Programmable DSS/Soft keys
● Network Time Synchronization
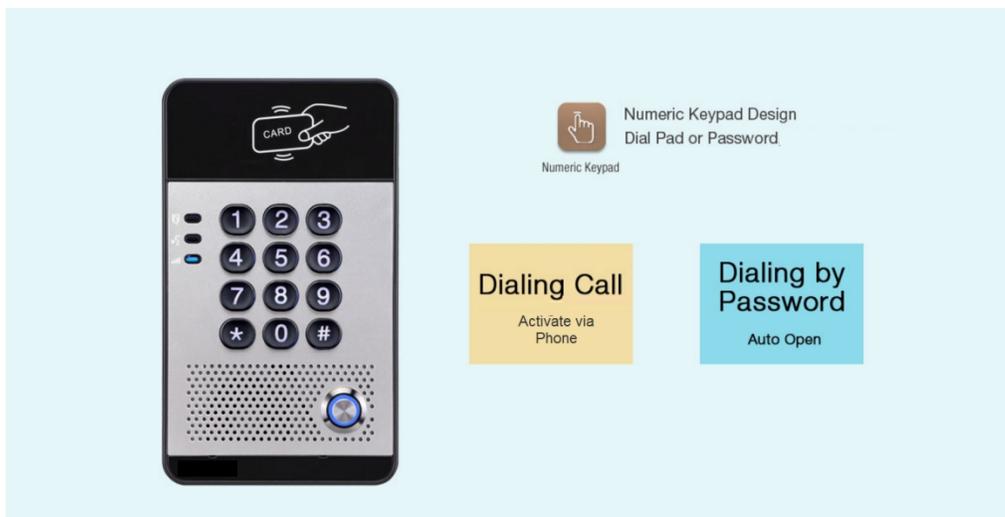● Action URL / Active URI

Protocols

- SIP2.0 over UDP / TCP /TLS
- RTP / RTCP /SRTP
- STUN
- DHCP
- PPPoE
- 802.1x
- Open VPN
- SNTP
- FTP / TFTP
- HTTP / HTTPS
- TR069

Deployment & Maintenance

- Auto-Provisioning via
- FTP / TFTP / HTTP / HTTPS / DHCP / TR069 / SIP PNP
- Web Management Portal
- Web-based Packet Dump
- Configuration Backup / Restore
- Entry Log Export
- Access Table Export / Import
- Firmware Upgrade
- Syslog (include door access logs)

Physical Specifications

- 1 DSS Key
- Numeric keypad
- WAN: 10/100BASE-Tx, Auto-MDIX,RJ-45
- PoE: 802.3af(Class 3 - 6.49~12.95W)
- Passive Switch(short-circuit output): NC/NO Contacts, MAX 30V/1A
- AC/DC
- Active Switch output: 12V/700mA DC
- RFID/IC Card: EM4100 (125KHz)----Standard
- 1 Indoor door interface
- MIFARE ONE (13.56MHz) ----Custom-made
- Main Chipset: Broadcom
- Speaker: 4O/3W
- Cables: CAT5 or better
- Power Supply: 12V/1A DC or PoE
- Shell material: Metal panel, ABS sump
- Protection level: IP65
- Working Temperature: -10~60 C
- -10 - 140 F
- Storage Temperature: -40~70℃   -40 -158 F
- Working Humidity: 10~90%
- Device Dimension: 160 x 93 x 35mm , 6.3 x 3.7 x 1.4 "
- Package size: 178 x 104 x 55mm , 7.0 x 4.09 x 2.17 "
- Device Weight: 300g , 10.58 oz
- Gross weight: 420g , 14.8 oz