

Snom PA1+ SIP-Based Public Announcement System



Product Name: Snom PA1+ SIP-Based Public Announcement System

Manufacturer: Snom

Model Number: PA1+

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With the Snom PA1+, a SIP PBX can be expanded to become a broadcasting system for HD audio announcements from any Snom SIP phone or to play background music in rooms, corridors and office floors.

Snom PA1+ Key Features

- ½ Power over Ethernet (PoE)
- ½ IPv6 & IPv4
- ½ Headset connectable
- ½ Gigabit Ethernet
- ½ Security (TLS & SRTP)
- ½ Plug & Play
- ½ HD audio

Larger PA systems can be added via the existing connections, but the integrated 6.5-watt high-performance amplifier can already fill large rooms with sound when used with existing 600-ohm speakers. The freely configurable relay contacts, which can be operated remotely via SIP or DTMF and so assist in the integration of existing door opening systems, are another possible application.

Additional network components such as LAN cameras can also be connected to the gigabit switch in order to set up or expand a security system. High security standards, such as SHA 2 encryption, are key attributes of the PA1+.

Snom PA1+ Specifications

General

- ½ Dimensions (L x W x H, approx.): 165 mm x 104 mm x 35 mm / 175 mm x 104 mm x 35 mm with connectors
- ½ Weight (approx.): 400 g
- ½ Outgoing call features: Multicast paging
- ½ Incoming call features: Auto answer
- ½ Indicators and keys: 1 green LED for call status indication / 1 red LED for power status indication / 1 dedicated key for Reset / IP address announcement

Interfaces and Connections

- ½ Snom PA1+ power options: Power over Ethernet (PoE), IEEE 802.3af, class 3 / Power adapter: 100 - 240 V AC / 50 - 60 Hz | 5 V DC (SELV) / 2 A / 10 W2
- ½ Wired interfaces: 1 coaxial power adapter connector / 2 RJ45-8P8C Gigabit Ethernet ports / 2 RCA jack (1 Mic In / 1 Line Out) for wired headset connection / 4 pin I/O connector / 1 loudspeaker connector

Audio devices and codecs

- ½ Amplifier: 6.5 W, class D amplifier / Impedance 600 #8486;
- ½ Audio codecs: G.711 (A-law, μ-law), G.722, G.723.1, G.726, G.729
- ½ Dual-tone multi-frequency signalling (DTMF): in-band, out-of-band, SIP-INFO

Networking technologies and protocols

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• Network technologies: OpenVPN
• VoIP related protocols and techniques: SIP (RFC 3261), SDP (RFC 3261), RTP (RFC 8866)
• Secure VoIP protocols: SIPS (SIP over TLS), SRTP (RFC 3711)
• Network protocols: IPv4 / IPv6 (Dual Stack), DHCP, NTP, LDAP, HTTP, FTP, TFTP, L2TP
• Secure network protocols: TLS

Type approval and standards conformance

• Information technology equipment - Safety 62368-1
• CE marking
• WEEE 2012/19/EU
• FCC

Package Contents

• Public announcement system unit
• Wall mount plate, wall mount screws, drill template
• Wire set
• Quick Installation Guide (QIG)
• GNU General Public License

Price: \$150.43