

Snom PA1+



Power over Ethernet (PoE)



IPv6 & IPv4



Headset connectable ³



Gigabit Ethernet



Security (TLS & SRTP)



Plug & Play



HD audio

Snom PA1+ - SIP-based announcement system

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. The integrated 6.5-watt high-performance amplifier can already fill large rooms with sound using existing 600-ohm speakers, but larger PA systems can also be added via the existing connections.

Another possible use is the freely configurable relay contacts, which can be remotely controlled via SIP or DTMF and thus help to integrate existing door opening systems, for example. 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+.

Technical Specifications

Basics

- Operating system Linux
- Wall mountable
- Product numbers
 - Snom PA1+ | Public announcement system | EU & UK | PN 00004602
 - Snom PA1+ | Public announcement system | Americas | PN 00004603

Dimensions and weight

- 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
- Weight (approx.)
 - 400 g

Interfaces and connections

- 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
- 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 connection³
 - 4 pin I/O connector
 - 1 loudspeaker connector

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

Call features

- Outgoing call features
 - [Multicast paging](#)
- Incoming call features
 - Auto answer

Audio devices and codecs

- Amplifier¹
 - 6.5 W, class D amplifier
 - Impedance 600 Ω
- Audio codecs
 - G.711 (A-law, μ-law), G.722, G.723.1, G.726, G.729
- Dual-tone multi-frequency signalling (DTMF)
 - in-band, out-of-band, SIP-INFO

User interfaces and setup

- [Configuration and setup via menu-driven web user interface \(WUI\)](#)
 - [Languages](#)
- [Automatic configuration via provisioning](#)
 - Loading of settings and firmware via HTTP / HTTPS / TFTP
 - Supported DHCP provisioning options 66 / 67
 - Secure Redirection And Provisioning Service (SRAPS) support
 - Plug & Play (PnP) support
 - Secure provisioning with preinstalled certificate
- Localization
 - Timezone, Dial tone
- Diagnostic
 - SIP trace, PCAP trace, Syslog

Networking technologies and protocols

- 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](#)

Interoperability

- [Certified VoIP partner](#)

Technical Specifications

Package contents

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

¹ Loudspeaker not included

² If PoE is not available

³ For installation and maintenance purposes only

Type approval and standards conformance

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

Accessories

- 00004570 | 10 W Power adapter | EU & UK

Disclaimer

For further product information visit: [Snom website](#) | [Snom Service Hub](#) | [Warranty information](#)

© 2022 Snom Technology GmbH. All rights reserved.

Snom is a registered trademark of Snom Technology GmbH in the European Union, USA, Japan, China and certain other countries and regions. Unless specified otherwise, all trademarks, in particular product names, are legally protected trademarks of Snom Technology GmbH. Other mentioned trademarks or registered trademarks are the property of their respective manufacturers or owners. Product specifications are subject to change without notice. We do not accept liability for printing errors and mistakes.