

# SIP SUBSTATION KIT



when communication is **critical**

## FEATURES

- SIP support for integration to any IPBX
- Support integration with 3rd party management tools via open protocols
- Integrated data switch with advanced networking and security functions
- Support production of custom-made intercom substations
- Relay output for remote control, e.g. doors, signal lamps and gates
- Powered from the IP network cable using Power over Ethernet (PoE)
- Superb audio quality – high bandwidth codec, active noise cancellation, acoustic echo cancellation and high output power amplifier

## DESCRIPTION

The STENTOFON SIP Substation Kit supports integration of custom-made IP intercom stations to any IPBX. The station supports also a wide set of open protocols that allows integration with any IPBX system as well as 3rd party management systems.

The STENTOFON SIP Substation Kit features the same electronics card that is used in STENTOFON's own IP substations. It is designed to build stations to the highest specification and for use in the harshest of environments. Like all STENTOFON stations, this SIP station kit features superb audio quality. This is enabled through a set of advanced technologies such as active noise filtering, acoustic echo cancellation, wide band audio codec, and high power audio outputs.

The PCB has two logical outputs. These outputs can, for instance, be used to open a door through a connected relay.

The SIP Substation Kit has an integrated managed data switch providing advanced networking and security features. The integrated switch provides support for:

- Protection from unwanted access
- Quality of Service (QoS) by managing data traffic
- Increased system availability through redundant LAN infrastructure
- Cost efficient installation by providing shared network connections through the integrated data switch

All this enables you to deliver instant, efficient and secure voice and data services in an IP environment.



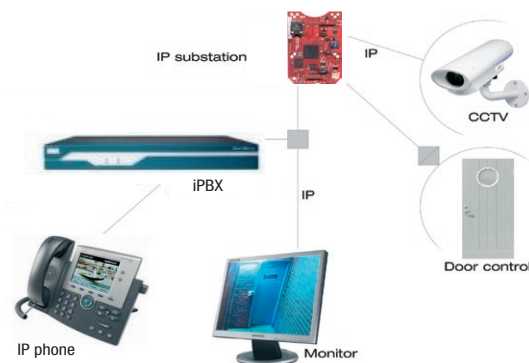
ORDER NUMBER	DESCRIPTION	SHIP WEIGHT
1008065200	SIP Substation Kit	0.1 kg
1008091000	Mounting and Assembly Kit for IP Substations	0.40 kg

## SIP SUBSTATION KIT

### SPECIFICATIONS

Dimension (WxHxD)	72 x 110 x 20 mm
Weight	0.1 kg
Temperature range	0°C - 50°C
Power	Power over Ethernet, IEEE 802.3 a-f, Class 0 Local power 19 – 27 VDC Idle 4 W, max. 8 W
Connectors	2 x RJ45 (Ethernet) 10/100 Mbps Pluggable screw terminals (audio and IO)
Remote control	3 digital inputs 1 relay
SIP support	RFC 3261, SIP Info (DTMF), RFC 2833 (DTMF)
IP protocols	IP v4 - TCP - UDP - HTTPS – TFTP - RTP - RTCP -DHCP - SNMP DiffServ - TOS – STENTOFON CCoIP® - SIP
LAN protocols	Power over Ethernet (IEEE 802.3 a-f), VLAN (IEEE 802.1pq), Network Access Control (IEEE 802.1x), STP (IEEE 802.1d), RSTP (IEEE 802.1d-2004)
Audio technology	Wideband 200 Hz - 7 kHz (G.722) Telephony 3.4kHz (G.711) Active noise filtering Acoustic echo cancellation Open duplex Adaptive jitter filter 1.5 Watt audio output 8 ohm loudspeaker impedance External audio out (0dB, 600 ohm)
Management and operation	HTTPS (Web configuration) DHCP and static IP TFTP (firmware and configuration download) SNMP v1, v2 and v3 (monitoring) Status LED
Advanced features	Dual port managed data switch supporting VLAN Standby SIP server for redundancy

### CONNECTION EXAMPLE



### ACCESSORIES

The SIP Substation Kit itself includes the PCB. An optional Mounting and Assembly Kit includes gaskets, two inch loudspeaker, loudspeaker housing and microphone with mounting block for call LED.