

2211000645

SMART1-AP

SMART1 multicell base station

A DECT CAT-iq certified multicell base station, designed for highest possible speech quality with standardized SIP signaling.

Description

The Vingtor-Stentofon SMART1 AP is a DECT CAT-iq certified multicell base station for calls and secure messaging. SMART1 AP delivers the highest possible speech quality with standardized SIP signaling. Made with security in mind with redundancy and failover as critical components as well as secure and encrypted voice.

- No need for centralized server. Each base station hosts all the features
- The system is easy to scale up and supports from 1 to 512 bases in the same network without any licenses
- Able to support up to 1000 registered handsets
- The base-stations uses complete DECT MAC protocol layer and IP media stream audio encoding
- Supports up to 8 simultaneous voice channels per base station including advanced alarm features such as fast messaging, broadcast, multi-level alarm with color coding, priority and push to talk for fast group calls between handsets
- Based on PoE interface. Each base station is easy to install because it doesnt need additional wires other than the from the LAN cable
- Interference free communication. The advantage of the DECT band is that it is 100% dedicated, developed and associated with critical speech applications with very fast alarm and messaging capabilities
- Maximum coverage and reduced installation time
- Seamless handover: Automatic configuration and maintenance of sync chains between base stations. LAN or AIR sync is available
- SIP as media protocol with the IP PBX or SIP server
- CAT-iq delivers high-quality HD audio. CAT-iq makes the voice quality superior to many other systems
- Built-in automatic load balancing, failover and redundancy directly into the system design without the need for licenses or server solutions

The SMART1 AP Base Station converts IP protocol to DECT protocol and transmits the traffic to and from the end-nodes over a channel. It has 12 available channels. In a multi-cell setup, each base station has:

- 8 channels have associated DSP resources for media streams.
- The remaining 4 channels are reserved for control signalling between IP Base Stations and the SIP/DECT end nodes (or phones).

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Specifications

GENERAL	
Size (HxBxD)	145x140x37mm
Weight	300g
Connector	1xRJ45
Power	PoE (802.3af class 2) or separate power adapter
IP-Class	IP-20
Operating Temperature	10 to +50 degrees
Network Interface	10/100Mbit
QoS	802.1 p/q, ToS and DiffSrv
Protocol	mDNS, http/https/tftp/dhcp/vlan/tcp/udp/ip/sntp/SIP 2.0 (RFC 3261)/ntp/dns/tls, IPv4, IPv6, IEEE 1588 LAN sync, G.711a/u, G.722, G.726
SIP	SIPS, RFC 2833 in-band DTMF/Out of band DTMF support, RFC 2976 The SIP INFO method, RFC 3261 compliance, Digest/Basic authentication, RFC3263 DNS SRV redundant server support, RFC3264 offer/answer, RFC3326 The reason header field for SIP, RFC 3489 STUN, RFC3515 Refer, RFC3581 RPORT, RFC3842, 3265 MWI, RFC3892 SIP refered-by mechanism, RFC3690 Early media
DECT	World Wide DECT support, DECT GAP/CAP/CATiQ (HD Audio), 4 power levels, DECT encryption (security), DECT ULE support (UltraLowEnergy)
Capacity	Up to calls per base station (12 channels), up to 1000 phones
Central Phone Book	LDAP, XML or CSV
Compliance	IEC 60950-1:2005 (2nd Ed.) Safety, EN 60950-1:2006 Safety, EN 301409-1 V1.9.1. EMC EU, EN 301409-6 V1.3.1. EMC AU/NZ, EN301406 (TBR6) SAR AU/NZ, EN30176 -2 (TBR10), FCC Part 15D, conducted and radiated, FCC part 15B, RSS 213, FCC OET Bulletin 65, Supplement IC, RSS 102 issue 2, EN 55024, IEC60945

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Used With



SMART1-MG

SMART1 Manager software for managing, controlling and updating the SMART1 handsets.

Item Number: 2211000646



SMART1-SAS

Appliance Server for SMART1 Manager, CMS and virtual PBX.

Item Number: 2211000654



CMS-VM

IP DECT Alarm and Message system as a virtual appliance for SMART1 systems.

Item Number: 2211000655



CMS-SV

IP DECT Alarm and Message Server for SMART1 systems.

Item Number: 2211000656



SMART1-SM-HS

Android based DECT Smartphone with WiFi.

Item Number: 2211100521



SMART1-SP-HS

Easy to use lightweight DECT handset.

Item Number: 2211100522

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