

IP DECT SERVER 6000



when communication is **critical**

FEATURES

- **Integrated part in STENTOFON AlphaCom E solution**
- **Wide area coverage with upto 256 base stations**
- **Centralized radio planning, configuration and monitoring**
- **Base station radio coverage**
 - o Indoor - max 50m
 - o Outdoor – max 150m
- **DECT repeaters can be added to extend radio coverage**
- **Robustness even in hostile radio environments - using Dynamic Channel Selection and Allocation**
- **Supports handover and roaming between base stations**
- **Encrypted radio communication**
- **Cost efficient implementations of system components**
- **Special purpose handset – office, rough and EX**



DESCRIPTION

The STENTOFON IP DECT 6000 System is an integrated part in the STENTOFON AlphaCom E solution. The DECT cordless phones, intercom and analogue telephones have all access to the AlphaCom E services. Users will be able to enjoy the benefits of one users experience with seamless mobility. The IP DECT 6000 System provides wide area coverage. The systems support up to 256 base stations. Each base station has maximum radio coverage of 50 m indoor and 150 m outdoor. To extend the radio coverage of a base station the system support DECT repeater. A DECT repeater does not require any network connection except power.

The IP DECT Server will centralize all radio planning for easy operation and configuration of all DECT base stations. The IP DECT 6000 system is easy to install. The DECT base stations connect directly to the AlphaCom E exchange over the IP data network. The DECT base stations have very good robustness against radio interference even in hostile radio environment. The system uses Dynamic Channel Selection and Allocation (DCS) and is thereby able to reduce the levels of interference, and ensure that links are set up using best radio channels. Note! Rooms with steel walls, floor and ceiling are areas that are difficult to cover with radio. Zenitel cannot promise 100% coverage in these areas. However, it shall be noted that DECT provides good and better radio coverage in these areas compared to other technologies like WiFi phones.

DECT or Digital Enhanced Cordless Telecommunications is a European standard for digital cordless phones. Today the DECT standard is approved world wide. Each DECT phone requires a SIP user license in the STENTOFON AlphaCom E exchange.

ORDER NUMBER	DESCRIPTION	SHIP WEIGHT
2211000100	IP Dect Server 6000, One server required per system	0.36 kg
2211000600	IP Dect Base for 6000 Server, Provides DECT radio coverage	0.12 kg
2211050100	Base Repeater Wall, Used to extend radio coverage from base	0.12 kg
2211050120	Base Repeater Mounting Kit, Used for on wall mounting of repeater and base stations	0.2 kg
2211050130	Repeater Programming Kit	0.2 kg
1009643006	SIP Station License for 6 SIP telephones, Required for every 6 DECT cordless handset	

IP DECT SERVER 6000

SPECIFICATIONS

Dimension (HxWxD) (mm)	
IP DECT SERVER 6000	164 x 164 x 54
IP DECT BASE 6000	100 x 100 x 38
BASE REPEATER WALL	100 x 100 x 38
Material	White plastic
Mounting	On wall
Power	
IP DECT SERVER 6000	110 – 230 VAC
IP DECT BASE 6000	Power over Ethernet (IEEE 802.af)
BASE REPEATER WALL	110 – 230 VAC
Network interface	10/100 Mbps Ethernet, RJ45
Capacity	Max 256 base stations Max 11 calls per base station Max 32 simultaneous calls per system Max 4096 handsets per system
Radio	DECT GAP Handover and roaming between base stations Dynamic channel selection and allocation Repeater support Encrypted radio
Radio frequency	1881.792-1897.344 MHz (License free band Europe) 1902.528-1918.080 MHz (License free band North America)
Radio planning	Centralized radio planning, configuration and monitoring
Call features	Number and name presentation Outgoing call barring Call billing (Require VINGTOR Billing)

OVERVIEW



STENTOFON ALPHACOM E



DECT INFRASTRUCTURE



DECT HANDSETS