

DECT Systems

IP DECT

Introduction

Teldat DECT solutions add mobile fixed-line telephony to our voice-data communications systems. With DECT handsets, and optimized for the be.IP family, they provide versatile telephony functions and a ton of convenient extra features for mobile environments. Whether small installations with one base or multicell installations with dozens of bases, flexible DECT solutions meet diverse customer demands.

Different models can be implemented depending on the installation size and the number of users: DECT150 –entry level single-cell solution–, DECT160 –small but expandable–, and DECT210 –multi-cell solution for larger sites.

Interfaces

Ethernet RJ45 10/100 Mbps	Yes
DECT	Yes
Integrated antennas, antenna diversity	Yes
Status LEDs	Yes
Reset key	Yes

Destacar

- Scalable DECT solutions for SMEs
- Cordless DECT IP system telephony
- Single cell, the ideal solution for smaller sites
- Multi-cell installations for large site coverage
- Seamless handover and roaming (multi-cell only)
- Sync over the Air and Sync over LAN
- Made in Germany



Competitive Advantage

All-in-one Ecosystem	DECT system telephony fully integrated with be.IP PBX systems and simple and comfortable to use. The best solution for the main user demands.
Scalability	Whether cost-efficient single-cell solutions for small customers or expandable multi-cell solutions for larger customers – flexible, wide-ranging solutions.
Long battery life	DECT technology ensures the best coverage range while minimizing energy consumption to extend the battery life of connected to DECT handsets.
Easy to install and manage	Easy installation with power over ethernet (optional external PSU) and convenient configuration thanks integrated provisioning through be.IP PBX family.

Key Features

- **DECT technology with full security** Secure digital and encrypted communication thanks to DECT technology. In addition, expandable and multi-cell systems also support SIP Security with end-to-end encryption for extended network security.
- **Cordless telephony** Automatic provisioning by be.IP plus and the be.IP Swift family for quick and easy installation, handset deployment and maintenance services, complemented by an intuitive, web-based interface for further configuration.
- **Great voice quality with HD audio** Excellent audio quality thanks to HD audio.
- **Family of three handsets solutions** Basic solution for the smallest installations (DECT150), scalable solution for SMEs (DECT160), and multi-cell solution for large installations (DECT210). Flexible solutions according to user requirements.
- **Scalable and future-proof** Flexible DECT solutions tailored to best meet the customer's needs and scaling up to 4 or 10 base stations without a dedicated DECT Manager and 60 base stations with a DECT Manager, allowing up to 100 handsets and users.
- **Easy setup and configuration** Whether providing access to a central phonebook, comprehensive notifications, or easy setup of call forwarding, DECT IP systems enable comfortable telephony with our family of DECT handsets.
- **Perfect match for DECT handsets** Scratch and disinfectant-resistant, they can be cleaned with antibacterial agents. Shock, dustproof, and waterproof. Combined with Teldat DECT handsets, they are the perfect solution for the toughest scenarios.

CARACTERÍSTICA TÉCNICA DEL HARDWARE

DECT

Frequency range: 1.88 to 1.90 GHz (EMEA), DECT shifted, DECT EN 300 175-x,

Standards: GAP / CAT.IQ, up to 120 DECT channels,

Single-cell DECT radio coverage up to 50 m (indoor) and 300 m (outdoor)

Max. number of bases stations | Handsets

Dect150: 1 base station | 6 handsets

Dect160: 3 base stations | 20 handsets

D210 w/o DECT Manager: 10 base stations | 50 handsets

Color | dimensions | Weight

Dect150: White | H x W x D in mm 105 x 132 x 46 | 120 gr

Dect160: White | H x W x D in mm 180 x 110 x 42 | 220 gr

Dect210: White | H x W x D in mm 180 x 110 x 42 | 220 gr

CARACTERÍSTICA TÉCNICA DEL SOFTWARE

IP Protocols (1)

IPv4, IPv6, TLS1.0/1.1/1.2 for HTTPS, Locating SIP Server (RFC3263),

DHCP (Option 1, 3, 6, 12, 15, 28, 42, 114, 120), DNS, TCP, UDP,

VLAN (IEEE 802.1q), DNS SRV, QoS (RFC2474, RFC2475), LDAP(S),

Sound quality and codecs supported

HD Audio supporting HDSP™/CAT-IQ, Codes: G.711, G.722 (HDSP), G.729ab

Sync over Air & Sync over LAN (multicell)

Base stations synchronized via the air interface or via LAN (or both)

Overlapping DECT coverage and synchronization chain

between the base stations needed to ensure uninterrupted handover of calls

CARACTERÍSTICA TÉCNICAS ADICIONALES

Environmental conditions

Protection class IP20 (indoor), Operating temp: +5 °C to +45 °C,

Storage temperature: -20 °C to +70 °C,

Relative Humidity: 20 % - 75 % non-condensation

Warranty

2-year manufacturer warranty

Ethernet LAN

RJ45 10/100 Mbps with Power over Ethernet: PoE IEEE 802.3af class 1

Max. number of simultaneous Calls

Dect150: 4 calls

Dect160: 8 calls (G.711, G.729) or 5 calls (G.722)

D210 w/o DECT Manager: 10 calls (G.711), 8 calls (G.729) or 5 calls (G.722)

IP Protocols (2)

SIP (RFC3261, RFC2396, RFC2976), TLS1.0/1.1/1.2 for SIP/SIPS,

Call Transfer (RFC5589, RFC3515, RFC3891, RFC3892), DiffServ, HTTP,

HTTPS,

DTMF (SIP Info / RFC 2833, in-band), MWI (RFC3265, RFC3842), SNTP,

STUN,

Software & management

Autoprovisioning by hybrid, be.IP plus and be.IP swift systems,

advanced configuration via web browser,

central managed firmware upgrade / downgrade,

ECO-DECT features

Energy-saving power supply unit

ECO mode (manual reduction of base station & handset transmission power)

automatic reduction of transmission power depending on distance

Scope of delivery

DECT base station, Ethernet LAN cable,

power supply unit (DECT150 / 160), screws & dowels,

quick installation guide

Article numbers

Teldat DECT 150: 5530000087

Teldat DECT 160: 5530000354

Teldat DECT 210: 5530000349



Scenarios



Founded in 1985, Teldat is a Spanish company whose mission is to provide companies with valuable solutions for cloud access, remote office communications, cybersecurity and voice/data connectivity both in the office and in specific environments whether they are industrial, railway, vehicles or public services.

Website: www.teldat.com

Teldat Group

SPAIN
Calle Isaac Newton, 10
Tres Cantos - 28760
Madrid (Spain)
Phone: +34 91 807 6565
info@teldat.com

©2022 Teldat S.A.
Publish Date: April, 27th 2022
Version: 20221103113200