



BENEFITS

IP-DECT Server 400 is a small DECT system in a compact format.

The IP-DECT 400 is an excellent choice for small to medium-sized businesses (SMBs) that want a simple and flexible wireless solution.

Benefits

- Interoperable with market leading Call Control and Unified Communications (UC) platforms
- Upgradable via licenses as business needs grow
- Leverages the existing infrastructure
- Delivers high-quality and secure voice communication
- Increases business efficiency by integrating with application systems and business processes
- Can be installed in multiple locations to ensure mobility
- Use an external antenna to extend the coverage *)
- Allows for synchronization via air or LAN (Local Area Network)
- System scales up to 60 Users, and 20 IP-DECT Access Points (i.e. 19 additional base stations)

DESCRIPTION

COBS offer a scalable IP-DECT solution that can grow and develop with your business – as your business grows in its facility size or number of employees.

The COBS IP-DECT Server 400 supports 12 wireless users and 12 simultaneous calls. It can be license upgraded to support 60 wireless users and up to 24 simultaneous calls (codec dependent). This scalability ensures that the COBS IP-DECT Server 400 solution can grow with your business to fit your needs, making it a future-proof for small to medium-sized installations.

The COBS IP-DECT Server 400 has a built-in DECT Access Point and can be deployed as either a single-cell or a multi-cell solution. The single-cell option is easy to deploy due to its intuitive menu structure.

Moreover, it is ideal as a hosted solution because it has the capability for provisioning configuration, firmware, and wireless users as well as VLAN tagging. When there is a need for more users or coverage of a larger area or multiple locations, the solution can be extended to a multi-cell solution, supporting up to 19 additional IP-DECT Access Points.

By using optional license keys, functionality can be added to support additional installation requirements.

COBS IP-DECT Server 400 supports the COBS external antenna*, which is an ideal choice when additional radio coverage or creating synchronization over the air in normally inaccessible areas such as freezer rooms, cruise ships or long corridors.

*) Note that only COBS specified external antennas are to be used for the COBS IP-DECT Server 400.

SPECIFICATIONS

PROTOCOL SUPPORT

- Session Initiated Protocol (SIP)

OPERATION AND MAINTENANCE

- High speed Web GUI for administration and maintenance of the entire infrastructure
- HTTP with digest authentication
- HTTPS
- Syslog
- SNMP

SYSTEM ARCHITECTURE

- The COBS IP-DECT Server 400 is both a radio unit, a DECT- and a SIP Call Control.
- Single-cell configuration:
1x COBS IP-DECT Server 400 and up to 3 x COBS DECT Repeaters (2 or 4 channel) 12 wireless users / 6 simultaneous calls
- Multi-cell configuration:
1x COBS IP-DECT Server 400, up to 9 x COBS IP-DECT Access Points and up to 3 x COBS DECT Repeaters (2 or 4 channel multi-cell) connected on each COBS IP-DECT Server or COBS IP-DECT Access Point **. Optional 60 users/24 simultaneous calls
- Access Point Capacity:
Single-Cell: 12 channels
Multi-Cell: 11 channels (Air-Sync)

APPLICATION PROTOCOLS

- XML-RPC API supporting:
 - Broadcast Messaging
 - Message Service Functions (MSF)
- OAM REST API

SUPPORTED CODECS

- G.711 A-law and μ -law
- G.726 (32 Kbps - 4 bit ADPCM)
- G.729

RADIO INTERFACE

- RF output 20 to 24 dBm at antenna connection
- Sensitivity: typical -90 dBm measured at antenna connection at BER = 0.001
- Average transmit power: typical 5mW/ch (US) or 10mW/ch (EU)
- Peak transmit power: typical 125mW (US) or 250mW (EU)
- Typical range:
 - Indoor: 20 - 50 m. (65 - 165 ft.)
 - Outdoor: 300 m. (1000 ft.)
 - Full slot DECT radio (12 channels)
- Possible to connect external antenna (Only COBS external antenna can be used)

ELECTRO MAGNETIC COMPATIBILITY (EMC) APPROVALS (REGULATORY STANDARDS)

- MC 301 489-1
- MC 301 489-6
- FCC RULES, FCC PART15
- ANSI C63.4

SAFETY (REGULATORY STANDARDS)

- UL60950-1
 - CAN/CSA-C22.2 No. 60950-1
 - AS/NZS 60950-1
- EN 60950-1

DECT RADIO APPROVAL

- EN 301 406

Note: For latest approvals and regulatory compliance, please check our support site.

OPTIONAL LICENSES

- Expansion License +48 Users / Max Channels (14232839).
- License Cisco Unified CM (Advanced Features) CWS400 (14075490).
- Advanced Feature Bundle for CWS400 (14232880)

PROVISIONING

- Configuration
- User data
- Server firmware (Software Assurance License required)
- Access Point firmware (Software Assurance License required)
- Handset firmware (Software Assurance License required)

ENHANCED PROVISIONING

- The unit can be programmed to download its own configuration

Note: Scheduled firmware update to all the handsets is accomplished via SUOTA, providing totally automated firmware roll-out support to update IP-DECT Server 400 and all connected Access Points.

NETWORKING

- 10/100 Mbps Ethernet port
- Manual or dynamic host configuration protocol (DHCP)
- Time and date synchronization using Network Time Protocol (NTP)
- LED status indication

***) The COBS IP-DECT Access Point does have 12 channels, but only 11 can be used when synchronizing over the air.

ENVIRONMENTAL CONDITIONS

- Operating temperature: 10° - 40° C (50° - 104° F)
- Storage temperature: -50° - 70° C (-58° - 158° F)
- Relative humidity: between 20% and 80% (non-condensing)
- The equipment is in compliance with the requirements of EU directive 2011/65/EU (ROHS) and 2012/19/EU (WEEE)

ELECTRICAL REQUIREMENTS

- Power over Ethernet (IEEE 802.3af), mode A & B
- PoE Class 1 device
- Typical power consumption: 3W per unit
- External power outlet (power supply must be ordered separately)

PHYSICAL CHARACTERISTICS

- Size: 100 x 100 x 43 mm (3.94 x 3.94 x 1.69 in.)
- Weight: 120 gr. (4.2 oz)
- Grey-white (NCS 0502-Y)
- Wall-mountable, indoor
- The server can be mounted upside down

INTEROPERABILITY

- For information about supported messaging, alarm and Unified Communication (PBX/IP-PBX) platforms, visit www.cobs-ws.com.

Part No.

Description

02344500

IP-DECT Server 400, Single-Cell, incl. license for 12 users