

# Spectralink IP-DECT Server 400



## On-site DECT Mobility for Small and Medium Sized Business

Spectralink IP-DECT Server 400 offers a scalable DECT mobility solution that can grow with your business needs. The IP-DECT Server 400 supports up to 60 wireless users and up to 24 simultaneous calls – depending on how you setup, configure and deploy your solution. This scalability ensures that the IP-DECT Server 400 solution can grow with your business to fit your exact needs, making it a future-proof solution for small to medium-sized businesses.

The Spectralink IP-DECT Server 400 has a built-in DECT radio Base Station and can be deployed in either single-cell or a multi-cell configuration. The solution is extremely easy to deploy and install due to extensive provisioning options and intuitive menu structure.

The IP-DECT Server 400 supports Zero-Touch provisioning, easy remote configuration, and scheduled firmware roll out support. When there is a need for more users or coverage of a larger area or multiple locations, the solution can be upgraded to a multi-cell solution, supporting up to 9 additional IP-DECT Base Stations and up to 60 users.

Spectralink IP-DECT Server 400 supports up to 3 Spectralink DECT Repeaters to increase wireless coverage and the optional Spectralink external antenna\*, which is an ideal choice for expanding coverage in normally inaccessible areas such as freezing rooms, long corridors, or outdoor areas.

The IP-DECT Server 400 optionally supports handset sharing – typically required in businesses that require shift workers to use the same DECT handset.

Secure messaging, alerting, alarming and integration with advanced business productivity applications are all possible with Eco-System application partner solutions.

The solution is ideal for empowering the staff in retail markets, such as stores, petrol stations, car dealerships, fast-food chains, retail banks, as well as smaller health care locations such as clinics, dental or medical offices, pharmacies and other similar businesses.

\*Spectralink external antennas are the only approved antenna for the Spectralink IP-DECT Server 400. Connecting 3rd party external antennas are not supported and will not work.

### Benefits

- Supports 60 Users & 24 simultaneous calls
- Interoperable with market leading Call Control and Unified Communications (UC/UCaaS) platforms
- Scalable & upgradable as capacity & business needs grow
- Delivers high-quality and secure voice communication
- Increases functionality and business efficiency by integrating with Eco-System application partner solutions
- Supports enterprise grade security & management



### TECHNOLOGY ALLIANCE PARTNERS

We integrate to multiple calling, unified communications, alarms, alerts and messaging platforms.

For current list, visit our [Technology Alliance Partner site](#).

## Specifications

### Call Control Protocol Support

- Session Initiated Protocol (SIP)

### Operation And Maintenance

- High speed Web GUI for administration and maintenance
- HTTP with digest authentication
- HTTPS
- Syslog
- SNMP v2
- VLAN tagging

### System Architecture

- The Spectralink IP-DECT Server 400 is both a radio unit and a SIP DECT controller unit to the host SIP Call Control / UC platform. Additionally, it controls and handles the Spectralink IP-DECT Base Stations
- Single-cell configuration:
  - 1 x Spectralink IP-DECT Server 400 and up to 3 x Spectralink DECT Repeaters 12 wireless users / 6 simultaneous calls
- Multi-cell configuration:
  - 1 x Spectralink IP-DECT Server 400, up to 9 x External IP-DECT Base Stations and up to 3 x DECT Repeaters connected on each IP-DECT Server or IP-DECT Base Station.
  - Up to 60 users/24 simultaneous calls
- Spectralink Base Station Capacity:
  - Single-Cell: 12 Channels
  - Multi-Cell: 11 Channels\*\* (Air Sync)

### Application Program Interface

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

### Supported Codecs

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

### Provisioning

- System Configuration
- User data
- Server firmware (Software Assurance License required)
- Base station firmware (Software Assurance License required)
- Handset firmware (Software Assurance License required)

### Enhanced Provisioning

- The unit can be programmed to download its own configuration and user settings as well as handset firmware and then update the handset firmware based on a programmed schedule (e.g. upgrade at 03:00).

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 Base Stations & handsets.

### Networking

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

### Radio interface

- RF output 20 to 24 dBm at the 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: 50m distance (150 feet)
  - Open areas: Up to 300m distance (1,000 feet)
  - Full slot DECT radio (12 channels)
- Possible to connect an external antenna for directed radio coverage (Only Spectralink external antenna can be used)

### Approvals (Regulatory Standards)

- Radio Equipment Directive 2014/53/EU
- Low Voltage Directive 2014/35/EU (CE)
- FCC 47 CFR Part 15

### Safety (Regulatory Standards)

- UL62368-1 CAN/CSA-C22.2 No. 62368-1
- IEC 62368-1
- AS/NZS 62368-1
- EN 62368-1

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

## Benefits continued

- Supports DECT Enhanced Security (Encryption)
- Supports repeaters & external antenna to expand coverage
- Allows for Automatic Air or LAN (Local Area Network) Sync
- As Multi-Cell, supports 10 IP-Base Stations for expanded radio coverage (1 Built-in)
- Can be installed in multiple locations to ensure mobility for geographically distributed enterprise businesses
- Automatic Alarm function to get quick assistance from colleagues
- Supports entire Spectralink DECT handset product portfolio

### 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

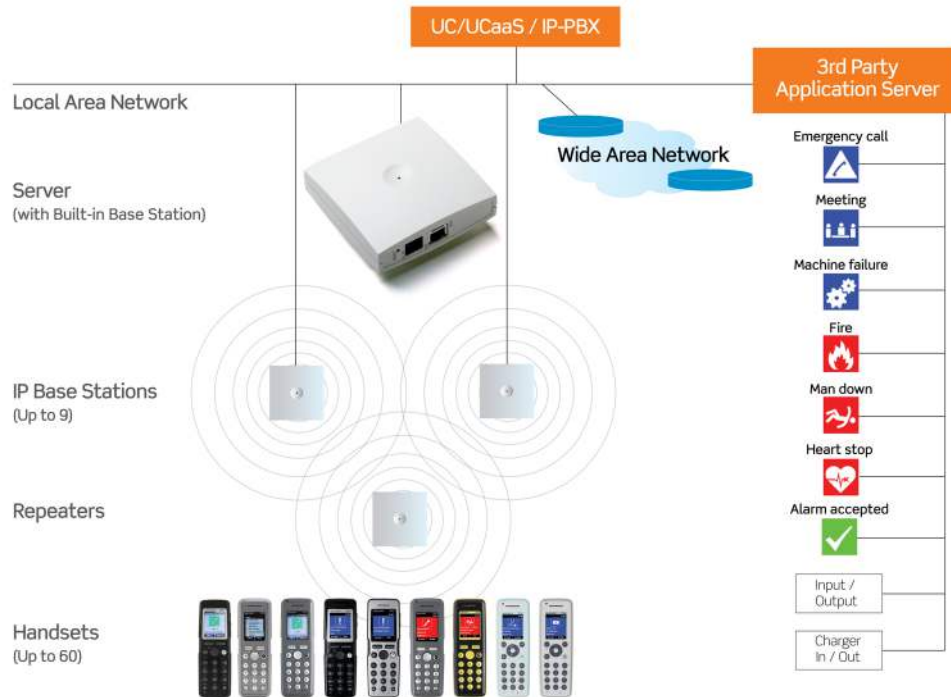
- Size: 100 x 100 x 43 mm (3.94 x 3.94 x 1.69 in.)
- Weight: 120 gr. (4.2 oz)
- Grey-white (NCS 0502-Y)
- Wall-mountable, indoor
- The server can be mounted upside down

### Interoperability

- For information about supported Call Control / Unified Communications (UC / UCaaS) (PBX and IP-PBX) platforms, visit [support.spectralink.com](http://support.spectralink.com).

\*\* The Spectralink IP-DECT Base Station does have 12 channels, but only 11 can be used when synchronizing over the air.

## Spectralink IP-DECT Server 400 Configuration



## We support industries like yours...

### MANUFACTURING & WAREHOUSING



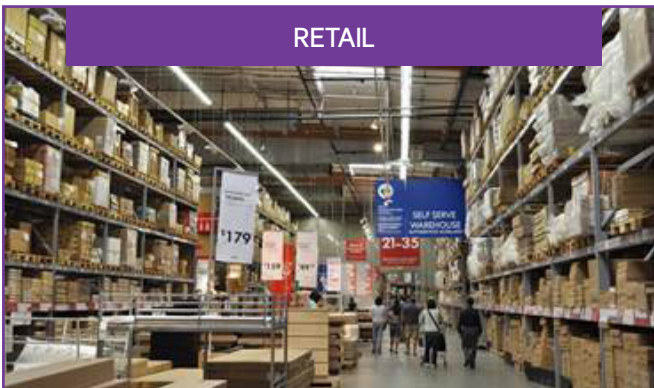
- Instant notifications make users aware of potentially hazardous situations
- Lone workers can send alarms in case of emergency together with user location.
- Notification in case of machine failure reduces production downtime

### ELDERLY CARE



- Roam Freely with voice and security all within reach
- Communicate clearly with access to tools like nurse call monitoring, patient monitoring and workflow apps.
- Keep up with the demands of the day with a highly durable handset
- Easily cleanable handset in healthcare facilities

### RETAIL



- Streamline operations at every stage of the retail and customers journey
- Send tasks to associates so that they can accept the task based on their schedule and report when the task is done/complete
- Send secure messages (HQ to all branches) – with broadcast, group or individually targeted handsets

### HOSPITALITY



- Stay in touch with colleagues no matter their location
- Keep up with the demands of the day with a highly durable handset
- Send tasks to cleaning crew so that they can ensure clean & refreshed rooms – and confirm when ready for the arriving guests.
- Share guest insights in an instant to deliver highly personalized experiences

# Complete your Spectralink DECT Solution

## Optimize your Spectralink DECT Solution with AMIE® Advanced for IP-DECT

A cloud-based solution management platform for IT and Telecommunication Administrators to monitor IP-DECT servers, base stations, and handsets. AMIE Advanced for IP-DECT provides centralized provisioning, detailed analytics of system performance, automated and scheduled tasks, and proactive alerts when the infrastructure needs attention.

## Protect and enhance the value of your Spectralink mobility solution with Software Assurance

Spectralink Software Assurance is specifically designed to complement and protect your existing Spectralink DECT solution. Software Assurance entitles you to all available software upgrades, including new features, service updates and security enhancements to mitigate the risk of data loss/breach over your subscription period.



## De-risk your investment with Spectralink Professional Services

Design	Deploy
Strategize your path to success. We analyze and assess your needs based on your business goals, end-user requirements, and existing IT infrastructure to start the process. Then we work with you to map out an effective strategy that brings together the right combination of mobile devices, applications, and technology.	Align and activate your solution. We help put your plan into action with a thorough implementation process that includes configuring, implementing, and testing all aspects of your technical environment. We also provide comprehensive training to help prepare and position your employees for mobile success.

## About Spectralink

As an award winner in mobile technology, Spectralink has been transforming the way our customers work and communicate for 30 years. Through our determination to do extraordinary things, we enable mobile workforces and empower our customers and partners to explore what's next, what's possible. With our enterprise grade, best-in-class mobile solutions, we are with our customers wherever they work, however they need us. Our people, commitment to innovation and our passion are our foundation for success.

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