

# VIP-DECT Server One

## for CUCM environments



### Benefits

- Software Only IP-DECT Server Solution designed for VM hypervisor environments
- Fully interoperable with CUCM, UCM Cloud & hybrid environments
- Cisco Options Package (.cop) file enabled for class leading DECT mobility functionality supported by CUCM
- Scalable & customizable via optional licenses as business needs grow & change
- Redundancy makes it possible to deploy a Spectralink VIP-DECT Server One solution as a load-balancing cluster of two servers with automatic failover increasing High Availability
- Provides branch survivability if connection with host CUCM / UCM Cloud platform is lost
- Single centralized web portal for administration and maintenance
- Supports both LAN sync as well as Air sync
- Configured and ordered directly from the Cisco Commerce Workspace
- Increases business efficiency by integrating application systems and business processes
- Maximizes employee availability using simple, reliable, and durable handset devices available from the Global Price List

Offering a multi-fold increase in scalability and flexibility together with a data-center focused architecture, the new Spectralink VIP- DECT Server One Platform is designed from the ground up to ease deployments in large distributed enterprise DECT customer environments reducing hardware needs and enabling new capabilities from consolidated integrations. VIP-DECT Server One allows customer IT departments to quickly deploy the solution as a virtual appliance on their existing virtual machine/hypervisor environments, removing the need to incorporate a new separate hardware platform and any IT security policy concerns that come with new hardware.

### Massive Scalability

By unbundling the software from the current hardware platform's limitations, Spectralink VIP-DECT Server One Platform can handle the massive scalability requirements of multi-national and enterprise businesses distributed across large campus environments - up to 100,000 users.

As Enterprise businesses unify their IT environments, the fully virtualized VIP-DECT Server One Platform supports and enables installation in a data center to serve multiple sites on a consolidated, hypervisor based hardware platform, streamlining deployment and giving significant control to enterprise IT departments on how best to deploy and roll out the solution based on their own enterprise security policies.

The Spectralink VIP-DECT Server One is an ideal software-centric enterprise-grade mobility solution for businesses with DECT mobility users, migrating from legacy PBX or on-premise PBX, to a CUCM based environment.

VIP-DECT Server One enables customers with DECT mobility needs to migrate to and enjoy the benefits of an IP based CUCM infrastructure.

VIP-DECT Server One centralizes the capability to deploy and manage DECT infrastructure and handsets across a common CUCM based infrastructure and across large campuses, multiple sites, multiple locations or even across geographies. VIP-DECT Server One utilizes CUCM call control to unify workforces across a common IP based infrastructure.

The VIP-DECT Server One solution consists of infrastructure software modules which can be set up

to exactly match the wireless needs of your large enterprise business needs today and to support any future organizational growth. This makes the VIP-DECT Server One an ideal and future-proof choice for large organizations, enterprises, and fast growing businesses.

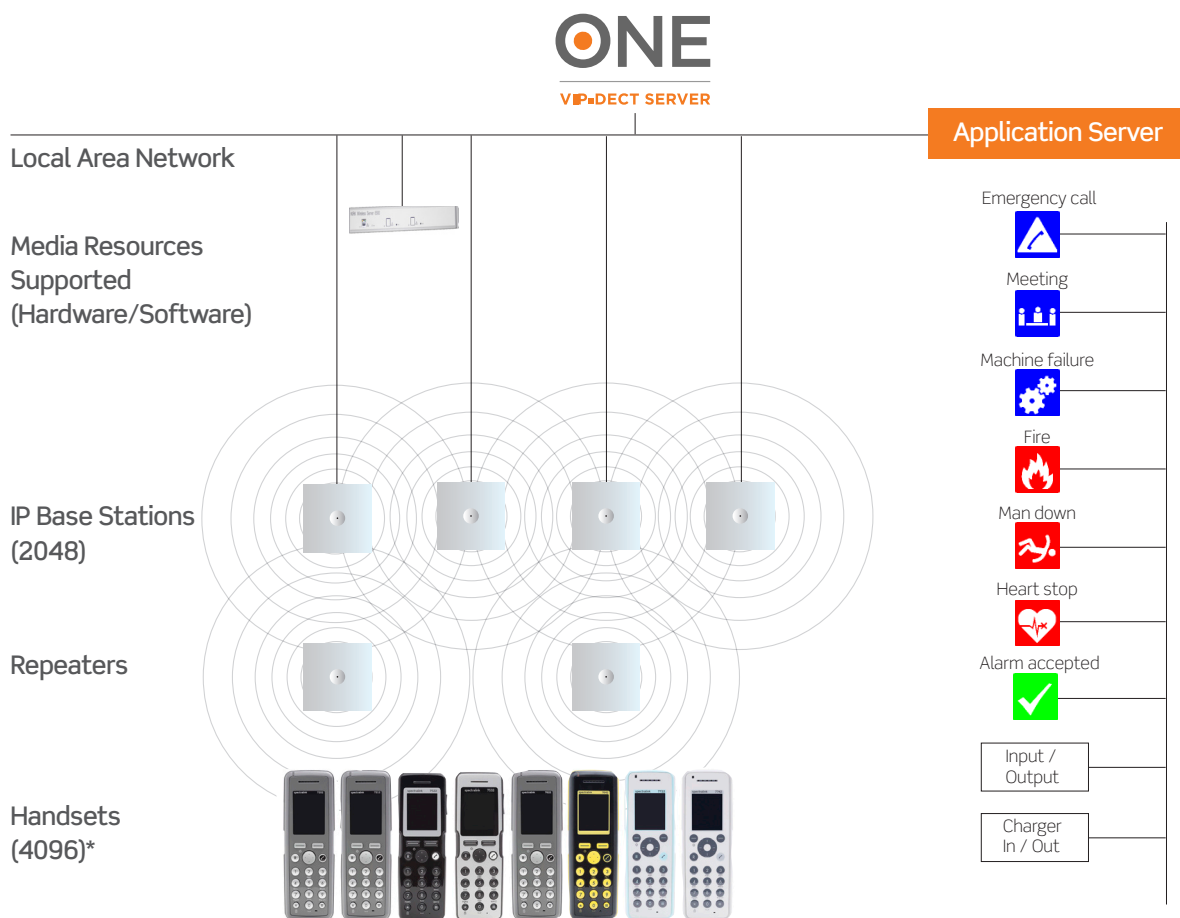
One instance of the Spectralink VIP-DECT Server One solution can fulfill in-building wireless telephony

needs of up to 4,096 mobile employees plus supports radio coverage with up to 2048 IP-Base Stations.

And with flexible license options, businesses only need to pay for the features and users they need.

Spectralink's VIP-DECT Server One can fulfill your customer's business current and future DECT wireless mobility needs and requirements.

## Spectralink Virtual IP-DECT Server One Configuration



# Specifications

## CALL CONTROL PROTOCOL SUPPORT

- Session Initiation Protocol (SIP)

## APPLICATION & MESSAGING PROTOCOL SUPPORT

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

## SIP VOIP SUPPORT

- Basic call
- CLIP
- Call Hold
- Call Transfer
- Call Waiting
- Music on Hold (MOH)

*Note: Additional advanced telephony solution following use of a Cisco Options Package (.cop) file to the host CUCM or UCM Cloud instance*

## OPERATION AND MAINTENANCE

- Single Panel Web UI for centralize administration and maintenance of the entire infrastructure
- Provisioning, maintenance, and supervision of all infrastructure components and Spectralink 7000 handsets in the solution
- HTTP with digest authentication
- HTTPS
- Syslog
- SNMP

## SYSTEM ARCHITECTURE

The Spectralink VIP-DECT Server One is a software only control unit acting as a SIP integration unit to the host CUCM or UCM Cloud instance which also controls and handles all other infrastructure elements

- Max. no. of:
  - IP-DECT IP Base Stations: 2048
  - Simultaneous calls on each IP-DECT Base Station: 11
  - Repeaters on each IP-DECT Base Station: 3
  - Physical Media Resources: 32 (total 1024 channels)
  - Software (Virtual) Media Resources: 16 (Each 16 VMR made up of 2x32Ch for a total of 1024 Channels)
  - Simultaneous calls with 1 Media Resource (h/w): 32 (G.711)
  - Simultaneous calls with media resource (s/w): 64 (G.711)
  - Total Simultaneous calls - supported: 1,024
- Registered Spectralink 7000 DECT handsets:
  - Scalable to 4,096

## SUPPORTED CODECS

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

## NETWORKING

- Manual or dynamic host configuration protocol (DHCP)
- Time & Date sync using NTP Protocol

## PROVISIONING

- Configuration
- User data
- Server firmware
- Base station firmware (License required)
- Handset firmware via SUOTA (License required)
- Handset configuration OTA (License required)

## Learn More

Learn what Spectralink wireless telephones, in partnership with Cisco®, can do for your organisation. Visit us at [spectralinkplus.com](https://spectralinkplus.com) or call your Spectralink representative.