

ONE

VIP-DECT SERVER

SIP ENABLED IP-DECT MOBILITY WITH FLEXIBLE SCALABILITY FOR LARGE ENTERPRISES

spectralink 

VIP-DECT Server One

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 environments reducing hardware needs and enabling new capabilities from consolidated integrations. VIP-DECT Server One allows 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.

BENEFITS

- Software Only IP-DECT Server Solution designed for VM hypervisor environments
- Delivers high quality secure voice communications
- Interoperable with market leading Call Control /Unified Communications (UC/UCaaS) platforms.
- 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 UC/UCaaS platform is lost
- Increases business efficiency by integrating application systems and business processes
- Maximizes employee availability using simple, reliable, and durable handset devices
- Single centralized web portal for administration and maintenance
- Supports deployment within enterprise data center to fit IT infrastructure
- Supports both LAN sync as well as Air sync
- Upgradable with optional licenses as business needs grow

The Spectralink VIP-DECT Server One is an ideal software-centric enterprise-grade mobility solution for businesses requiring radio coverage over a large or very large area or campus. It is also an excellent choice for business who need to equip a large number of mobile employees with DECT wireless telephony.

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 campus-wide 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 4,095 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.

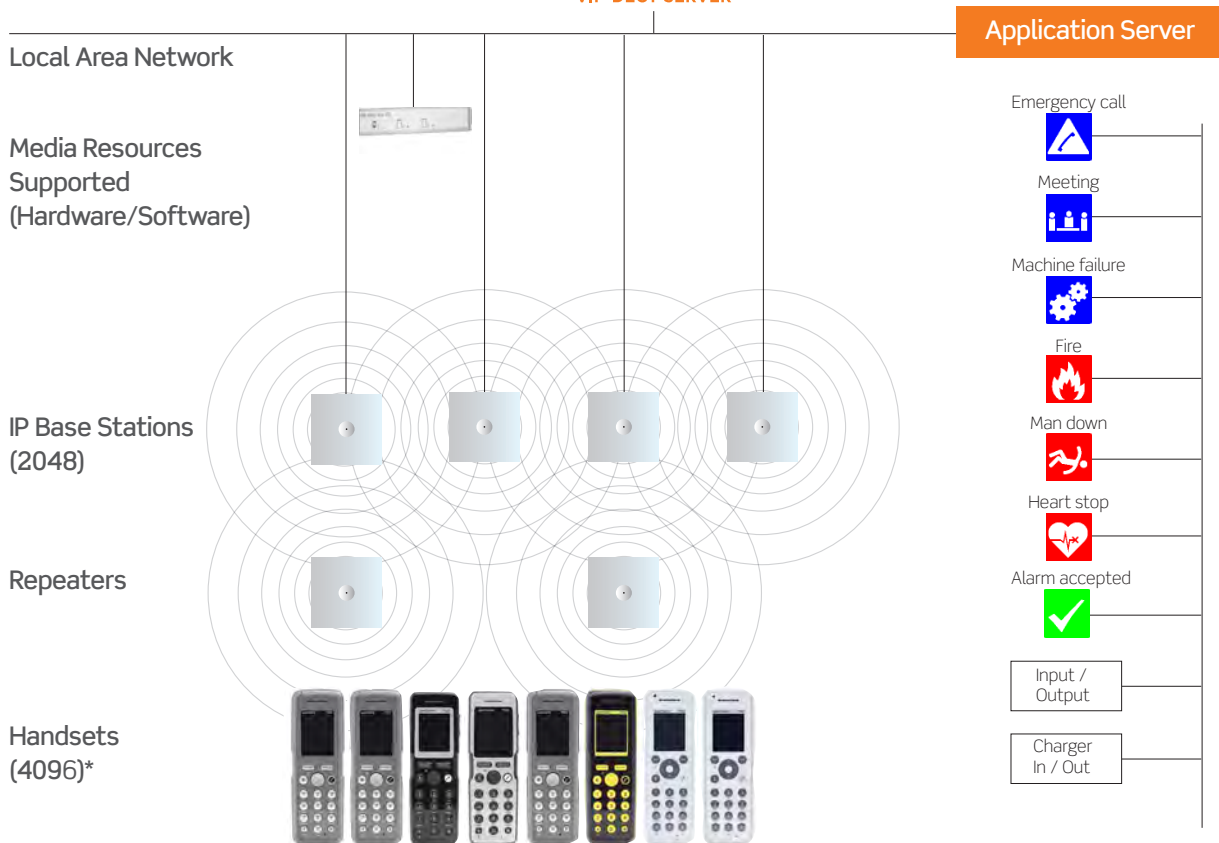
The modular add-on nature of the Spectralink VIP-DECT Server One options makes it easy to increase the number of voice channels and/or geographical radio coverage. Add additional voice channels either by using hardware media resource appliances or by deploying virtualized media resource software on your own platform while expanding any needed radio coverage with the Spectralink IP-DECT Base Stations, as required.

Whether it is the number of mobile employees, the number of available voice channels, or the need for growth and greater geographical reach, the Spectralink VIP-DECT Server One can fulfill your business' current and future DECT wireless mobility needs and requirements.

Spectralink VIP-DECT Server One Configuration

ONE

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* NOTE: Up to 100K handsets supported when combined with AMiE



VIP-DECT SERVER

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 available depending on integration with host SIP-UC/ UCaaS Platform (e.g: SIP IP-PBXs)

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 SIP UC / UCaaS (Call Control Platform) 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)
- Total Simultaneous calls - supported: 1,024

Registered Spectralink 7000 DECT handsets:

- Scalable to 4,096
- Base Server One starts with: 150 users stepwise: 150 users, 500 users, 1,500 users, 4096 users

SUPPORTED CODECS

- G.711 A-law and μ -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)

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