Spectralink IP-DECT Gateway

spectralink

Extending Spectralink IP-DECT solutions to organizations with legacy cable needs.

What is the Spectralink IP-DECT Gateway?

The Spectralink IP-DECT Gateway is the key to transitioning legacy DECT phone systems with legacy cabling to modern, scalable Spectralink IP-DECT Servers. This innovative solution provides a connection for customers with legacy systems to UCaaS, alarms and messaging platforms, and AMIE® solution management with minimal upgrade time and costs.

How Can Customers Utilize the IP-DECT Gateway Solution?

Existing Spectralink Customers

- Reuse existing investment in digital DECT base stations and DECT Server 2500 / 8000
- Convert Spectralink DECT Server 2500 or 8000 by downloading and installing IP-DECT Gateway firmware from Spectralink Support, then point the IP-DECT Gateway to Spectralink IP-DECT Server IP address
- The IP-DECT Gateway requires current CPU-II cards on every shelf and digital DECT Base Stations (minimum RFP-5). Running a service report on a DS 2500 / 8000 will show whether cards are CPU-I or CPU-II

New Spectralink Customers

- To retain and utilize legacy cable, replace legacy DECT system with Spectralink Digital DECT Base Stations and IP-DECT Gateway connected to a Spectralink IP-DECT Server

Customizing the Solution

The Spectralink IP-DECT Gateway is a modular system designed to meet specific enterprise capacity needs via modular interface cards:

- CPU card without link option to provide control for one IP-DECT Gateway shelf with 8 universal card slots for Base Station Interface cards and Media Resource cards
- CPU card with link option to connect up to 8x IP-DECT Gateway shelves together providing a total of 64 universal card slots
- Base Station interface card consumes one universal card slot and connects up to 8x digital DECT Base Stations (4 channel) or up to 4x digital DECT Base Stations (8 channel)
- Media Resource Card consumes one universal card slot and provides capacity for 32 simultaneous calls

Key Benefits

- Seamless migration from legacy phone/DECT systems to Spectralink IP-DECT solutions
- Enables organizations to retire legacy phone/ DECT systems and fully transition to UCaaS
- Enables organizations to utilize the AMIE® cloud management for their DECT systems
- Provides the full value of a Spectralink IP-DECT solution without needing to re-cable for ethernet/ IP
- Increased scalability of a Spectralink host IP-DECT solution
- A seucre solution with TLS 1.3

Specifications

Capacity Per IP-Digital DECT Gateway

- 424 digital DECT base stations (4 channel). Practical max capacity (leaving enough room for media resource cards)

Total solution capacity is a factor of host IP-DECT Server, which can connect to multiple IP-DECT Gateways across multiple, physically separate sites up to base station capacity limits.

Operation and Maintenance

- HTTP with digest authentication
- Web-based administration and maintenance
- Stable system core based on Linux
- Faster access to standard protocols
- CPU card without link option has build-in Media Resource for 8 channels
- Simultaneous calls per media resource (G.711 & G. 726): 32
- Spectralink DECT Base Stations: 512
- Spectralink DECT Repeaters: 3 per Base Station
- Linked IP-DECT Gateway shelves: 8
- Interface cards in one linked system: 64
- Base Station Interface Card: drives up to 8 base stations
- MR32 interface card: media resource card for 32 VoIP connections

Supported Codecs

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

Network

- 10/100 Mbps Ethernet port
- Manual or dynamic host configuration protocol (DHCP)
- Time and date synchronization
- Event logging

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

Environmental Conditions

- Operating temperature: 32° - 104° F (0 - 40° C)
- Storage temperature: -22° - 158° F (-30° - 70° C)
- Relative humidity: between 20% and 80% (non-condensing)
- Operating altitude: up to 9,483 ft. (3,000 m.)
- The equipment is compliant with the requirements of EU directive 2011/65/EU (ROHS) and 2012/19/EU (WEEE)

Power supply
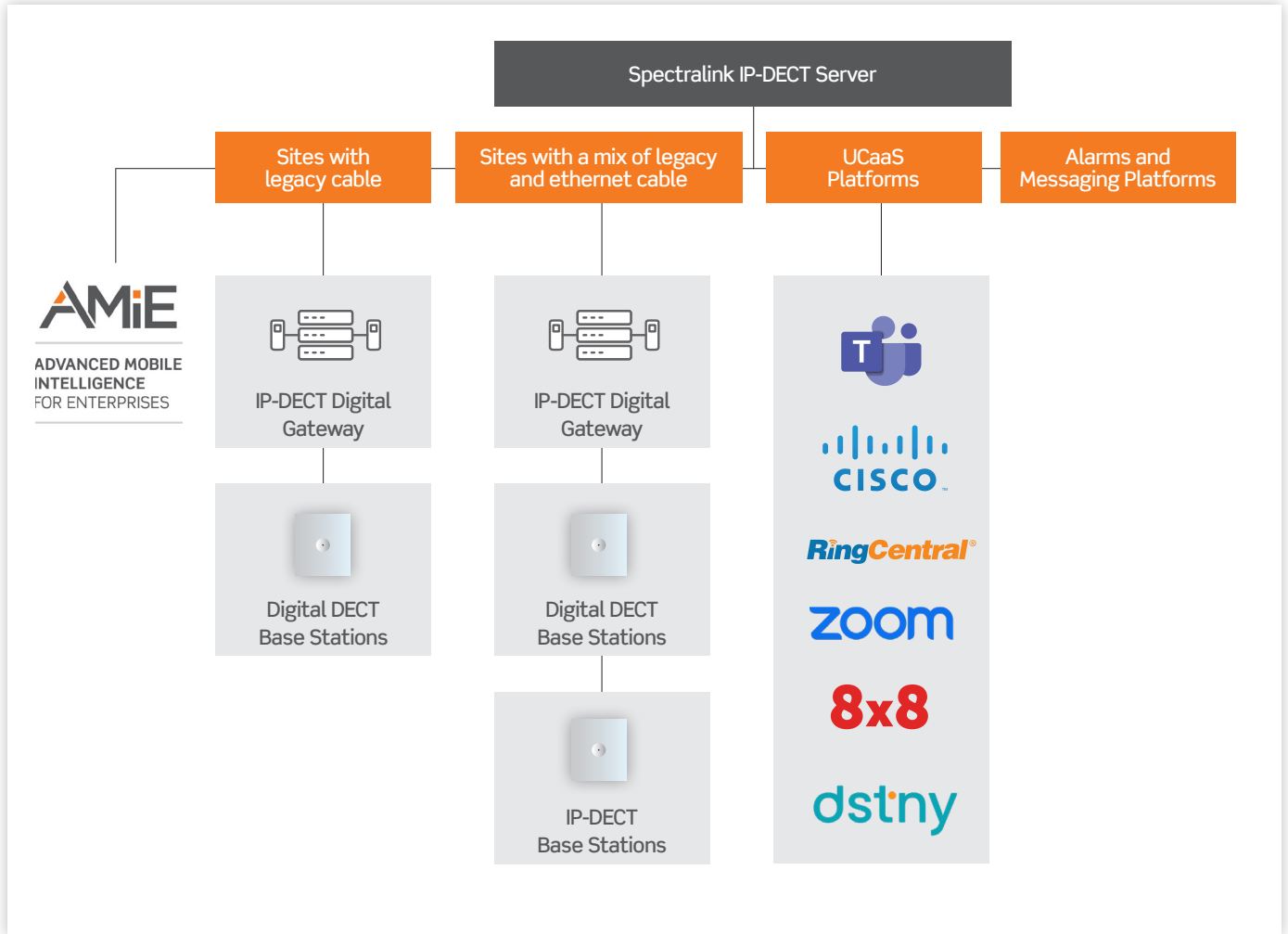
- AC Input 110-240 VAC, 50/60 Hz
- 19V DC power supply

Physical Characteristics

- Size: 7 x 17 x 13 in. (177 x 422 x 328 mm)
- Weight: 11.8 lb (5.34 kg) excl. power supply
- Up to 26.5 lb (12 kg) incl. adapters
- The shelf is four units high in rack

Security

- TLS 1.3
- Security updated Linux kernel
- Complex password/login
- Forced password change
- Support for IP-DECT base stations through firewalls
- Cross site forgery protection
- Forms and cookies-based login

Server Configuration

Spectralink IP-DECT Server

| Sites with legacy cable | Sites with a mix of legacy and ethernet cable | UCaaS Platforms | Alarms and Messaging Platforms |

- AMiE — Advanced Mobile Intelligence for Enterprises
- IP-DECT Digital Gateway → Digital DECT Base Stations
- IP-DECT Digital Gateway → Digital DECT Base Stations → IP-DECT Base Stations
- UCaaS Platforms: Microsoft Teams, Cisco, RingCentral, Zoom, 8x8, dstny

Complete your Spectralink DECT Solution

Protect and enhance your Spectralink solution with Software Assurance

Spectralink Software Assurance is designed to complement and protect your 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.