

Cisco Smart+Connected Personalized Spaces



The traditional workplace is being shaped by the changing demographics of the workforce, soaring energy and real estate costs, and the increasing need to collaborate. Enterprises feel the pressure to better utilize space within their buildings while creating a greener workplace by reducing the carbon footprint and saving on energy costs.

Meanwhile, the millennial workforce is driving companies to become more flexible as they strive to balance work and personal life while being increasingly mobile. Collaboration and collaboration tools are required because business and work teams are working together all over the world. IT and facility managers are challenged to balance all these needs and, at the same time, provide the right resources and tools to their employees while optimizing productivity and costs.

The changing business environment and new millennial workforce call for a flexible workplace; however, most organizations continue allocating fixed office cubicles and seats. As a result companies have underutilized desk and office space as more employees adopt telecommuting and flexible work options. This situation wastes expensive corporate real estate and limits the ability of organizations to be agile and to adjust to the ever-changing business requirements. Corporations need a flexible work environment where desks and offices are not allocated on a fixed basis but reserved and used when needed while at the same time improving employee productivity.

Cisco Smart+Connected™ Personalized Spaces is a Cisco Smart+Connected Communities™ solution that empowers companies to save real estate costs while enhancing employee productivity and comfort. It provides the following benefits:

- Lower real estate costs per employee through improved utilization of cubicle and cabin space.
- Ability to manage room resources, such as HVAC, lights, blinds, and audio - visual resources, through an IP phone.
- Enhanced experience through personalization of room environments.
- Visibility into space utilization for continuous optimization.
- Single window for administration of workspaces across all enterprise locations.

Features

Table 1 illustrates the high-level features of the Cisco Smart+Connected Personalized Spaces solution.

Table 1. Features of Cisco Smart+Connected Personalized Spaces

#	Feature	Sub-Feature
1	Wizard-based reservation and check-in	<ul style="list-style-type: none"> • Advance reservations including one-time and recurrent booking using a wizard-based search tool • Ability to search for and book spaces based on attributes and resource criteria • Look up booking history and save searches • Check-in/log-in for preference to take effect • Update reservation • Cancellation by user • Autocancellation based on policy • Log-out/check-out of workspace and services
2	Smartphone app-, kiosk-, IP phone-, and room panel-based reservation and check-in	<ul style="list-style-type: none"> • Instant check-in/checkout • Quick-response-code-based check-in • Favorite workspaces • Colleague directory and contact details • Meeting schedule
3	Floor plan-based check-in through kiosk and web	<ul style="list-style-type: none"> • View floor plans and availability of desks and offices • Search and view people and checked-in location • View Cisco Jabber contacts and combined physical plus virtual presence on floor plans • Select and check in to a desk and/or office • Authentication through Active Directory, smartcard, and/or four-digit PIN
4	Personalization and portability	<ul style="list-style-type: none"> • Preference creation and deletion • Multiple preference configurations • Display calendar, notes, pictures, news feed on signage in different layouts • Portability of user profiles across workspaces
5	Personal space resource management	<ul style="list-style-type: none"> • Lighting control • Blinds control • HVAC control
6	Assurance	<ul style="list-style-type: none"> • Report preset issues in personal environment from an IP phone • Trouble-ticketing system • Email notification
7	Administration	<ul style="list-style-type: none"> • Addition of locations and floor plans • Addition of workspaces to the floor plans • Addition of services to the workspaces • Modification of locations, workspaces, and services • Deletion of locations, workspaces, and services
8	Reporting	<ul style="list-style-type: none"> • Metering of usage • Utilization metrics as per defined parameters • Usage trends across spaces, locations, and services • ROI calculation for spaces, locations, and services • Emergency notifications
8	Internationalization and localization	<ul style="list-style-type: none"> • Internationalized application

Details of the Features

Web Interface for Reservation and Check-In

- Web-based interface for reserving cubicle and cabin space on one-time or recurring basis.
- Search spaces available based on criteria of resources needed.
- Store and present user's previous bookings (history) and favorites as easy options for reservation.
- Explicit check-in on IP phone to prevent waste of real estate space.
- User preferences take effect at check-in.
- Make update to reservation before reservation time.
- Use Autocancellation of reservations in case of no-shows.
- Explicit cancellation of reservation by user.
- Check-out by user releases the space for reservations by other users.

Mobile Phone Interface

- View availability of workspaces.
- Use reservation-based check-in and check-out.
- Make instant, or unplanned, check-in for workspaces.
- Use personal calendar view on smartphone.
- Use quick-response-code-based check-in.
- Add and remove favorites.
- Search workspaces.
- Search colleagues.
- View colleague profiles.
- Initiate calls and use instant messaging with colleagues.

1. Kiosk Interface (Also Available on Web)

- View availability of workspaces on large-screen digital signage.
- Use reservation-based check-in and check-out.
- Use instant, or unplanned, check-in for workspaces.
- Search colleagues and view colleagues' locations.
- Show route to desks, offices, and colleagues' locations.
- View Cisco Jabber contacts and combined physical plus virtual presence.

2. Personalization and Portability

- Users can select preferred HVAC, blinds, and lighting settings.
- Users can create multiple preference sets, based upon seasons, time of day, etc. (one preference must be chosen at the time of reservation).
- User can select the digital-signage preference in terms of layout. The signage displays user's upcoming meetings (calendar), pictures, RSS feed, notes, etc.
- User preferences are portable across all locations in the enterprise.

3. Personal Space Resource Management from IP Phone

- **HVAC Control**

- Control HVAC for meeting space.
- Turn HVAC on and off by defining occupancy status.
- Can also set the temperature to values, chosen from those specified by the administrator.

- **Light Bank Control**

- Control individual and multiple light systems in the meeting space.
- Turn lights on or off.
- Set the dimness and brightness of lights.
- Set desired mood lighting setting (hot, warm or cold - even the color of the lights).

- **Blind Control**

- Control individual and multiple blind systems in the meeting space.
- Raise, lower, and pause midway the blinds in the room.

4. Assurance

- Report preconfigured problems or issues in personal space.
- Can be integrated with customer's trouble-ticketing system.
- Report problems, in the absence of an integrated trouble-ticketing system, from an IP phone to a preconfigured email address.

5. Administration

- **Addition of locations, floor plans, personal spaces**

- Add multiple locations of office buildings.
- Add floors to each location.
- Add floor plans to each floor, including layout of cubicles, meeting rooms, break out areas, etc.
- Add individual personal spaces as overlays on the floor plan.

- **Addition of devices/resources to locations**

- Add various devices, for example, variable air volume (VAV), lights, etc., to spaces.
- Add signage to personal spaces.

- **Modification and deletion of locations and meeting spaces**

- Modify and delete personal spaces and/or devices available in the workspace.

6. Reporting

- **Utilization Metrics as per defined parameters**

- Current and historical utilization.
- Utilization trend over time.
- Comparison of utilization across locations.
- No-show reports.

- **Custom Reports**

- Can be integrated with business intelligence and analytics tools for custom reporting and enhanced visualizations.

Internationalized Application

Cisco Smart+Connected Personalized Spaces is i18n compatible. It has been localized for English and Korean. All i18n languages are supported.

Benefits

The benefits for the various customer stakeholders are described in Table 2.

Table 2. Cisco Smart+Connected Personalized Spaces Benefits

	Facility Manager	IT Manager	End User
Quantitative	<ul style="list-style-type: none"> • Improved real estate utilization (and effectively lower real estate cost per employee) • Reduction in facility services/energy costs per employee 	Increased utilization of existing ICT infrastructure	
Qualitative	Visibility into space utilization enables continuous optimization of expensive real estate in a dynamic growth environment	Simplified management of ICT and building infrastructure	Improved productivity in personalized and smart working environment

Certification Matrix

Table 3 shows the hardware and software that Cisco Smart+Connected Personalized Spaces requires. These components are **not** included as part of the product.

Table 3. Cisco Smart+Connected Personalized Spaces Licenses Certification Matrix

Vendor	Component	Software/Hardware Version Number
Cisco	Server	UCS C220 M3S/M3L
Third Party	Virtualization	Vsphere 5.0
Third Party	Operating System	Red Hat Enterprise Linux 6.3 (64-bit)
Third Party	Browser	Firefox v25.x, Chrome v31.x, IE 10.x
Third Party	Database	Oracle v11g, Oracle RAC 12c PostgreSQL v9.x
Third Party	Appserver	JBoss EAP 6.2
Third Party	Trouble-ticketing system	BMC Remedy Version 7.5
Third Party	Mediation Gateway	Tridium with Obix Versions 3.5.34, 3.7.x
Cisco	Digital Media Player	IEC 4610/4632, IEP-4610-HW-K9 and 4632-HW-K9, Cisco Digital Media Player 4400, Firmware 5.1 (http and https) and 5.3 (https)
Cisco	Digital Signage	Size: 21 inch; 47 inch Aspect ratio of the signage screens: 16:9 (Resolutions: 1920 x 1080 and 1366 x 768). Type: ELO touch screen on APR technology
Cisco	IP Phone Model	Touchscreen: 7975, 9971 Nontouchscreen: 9951, 8945
Cisco	CallManager	Cisco Unified Communications Manager 9.x
Third Party	LDAP	Microsoft Active Directory (Win2008 v6.0, Win2003 v5.2R2) RHEL 5.5 openldap - 2.3.43.12
Cisco	Platform	Service Delivery Platform 3.1.1
Third Party	Smart Phone OS	iOS 8.x Android: Kitkat 4.4.x, Lollipop 5.0.x

Ordering Information

Cisco Smart+Connected Personalized Spaces provides a flexible, pay-as-you-grow licensing mechanism that gives customers the option to add incremental spaces and features to be managed as needed. The licenses for Cisco Smart+Connected Personalized Spaces are perpetual licenses and do not need or include annual renewals.

Cisco Smart+Connected Personalized Spaces licenses are categorized based on the procurement model shown in Table 4.

Table 4. Cisco Smart+Connected Personalized Spaces Licenses

Description	Part Number
Smart+Connected Personalized Spaces Base SW (for physical delivery) - Top level SKU	SCPS-BASE-K9
Smart+Connected Personalized Spaces Base SW (for electronic delivery) - Top level SKU	R-SCPS-BASE-K9
SCPS Web application for up to 499 spaces (minimum of 50 spaces)	LIC-SCPS-WEB-A
SCPS Web application for 500 to 2499 spaces	LIC-SCPS-WEB-B
SCPS Web application for 2500 or more spaces	LIC-SCPS-WEB-C
SCPS Mobile Application	LIC-SCPS-MB
SCMS Kiosk Interface	LIC-SCMS-KIOSK
SCPS Digital Personal Signage Interface	LIC-SCPS-DPS
SCPS IP Phone Interface	LIC-SCPS-IPPH
SCPS Office Comfort Personalization and Control on IP Phone	LIC-SCPS-COMCON
SCPS Enterprise License for a minimum of 2500 to 9999 spaces	LIC-SCPS-ENT
SCPS Enterprise License for over 10,000 spaces	LIC-SCPS-ENT10K

Related Solutions

Cisco Smart+Connected Personalized Spaces is a part of the Cisco Smart+Connected WorkPlace portfolio of solutions, which enables a smarter, efficient, and sustainable workplace. A related solution is Cisco Smart+Connected Meeting Spaces, which simplifies the meeting room reservation and resource management process.

Warranty Information

Find warranty information on Cisco.com on the [Product Warranties](#) page.

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Financing to Help You Achieve Your Objectives

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For More Information

For more information about Cisco Smart+Connected Personalized Spaces, visit

http://www.cisco.com/web/strategy/smart_connected_communities/smart_connected_personalized_spaces.html or
contact scrc-bd@cisco.com.



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