

# Cisco Instant Connect Express

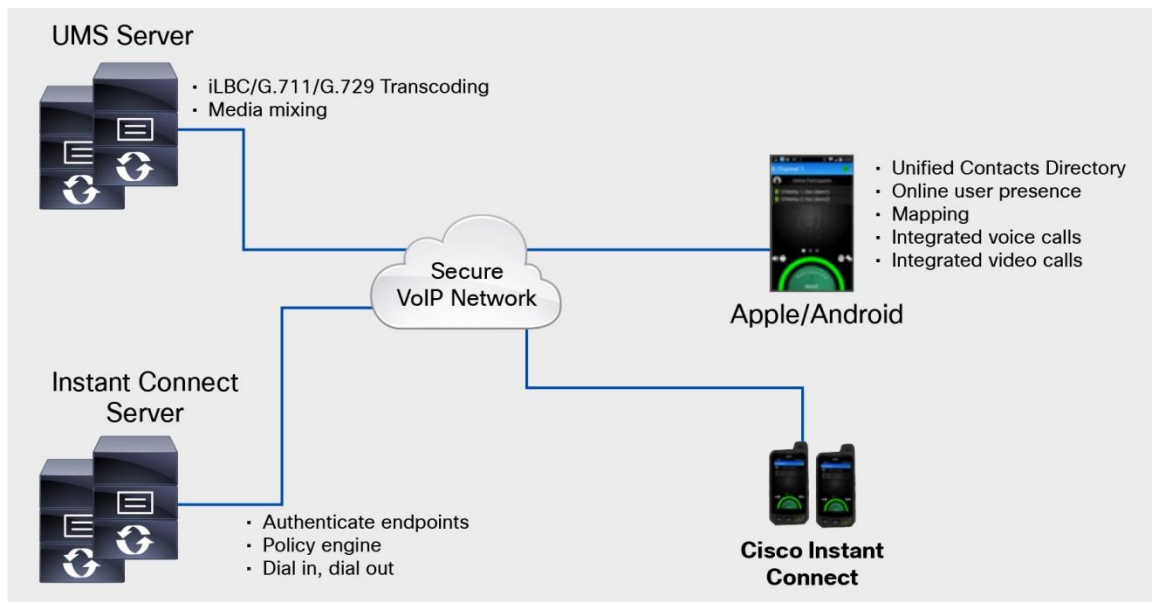
Cisco® Instant Connect Express gives mobile workers the ability to communicate instantly with push-to-talk conversations and phone calls on one easy-to-use smartphone client.

When time is critical, Instant Connect delivers information into the right hands at the right time and in the right format. By providing flexible, scalable communication interoperability, Instant Connect enhances the value of existing and new radio, telephony, and IP communications networks.

Now Instant Connect Express, which supports starter Push-To-Talk (PTT) systems, can be sold by any Cisco reseller. Instant Connect Express enables up to 50 mobile clients to talk on the system. As a limited feature version, Instant Connect Express does not include scan Virtual TalkGroups (VTGs), broadcast VTGs, Land Mobile Radio (LMR) connectivity, or Cisco Unified Communications connectivity, however, customers are able to later upgrade to the full version of Instant Connect and gain access to those features.

Figures 1 to 3 show the Cisco Instant Connect system, the Express system, and the mobile client, respectively.

**Figure 1.** Cisco Instant Connect System



**Figure 2.** Cisco Instant Connect Express



The new starter kits for on-premise push-to-talk

- Server license
- Universal Media Services license
- 4 talk lines (VTGs)
- 2 extra VTGs for point-to-point calls, for a total of 6 VTGs

There are two options for the starter kit:

- BYOD bundle: 4 Cisco Instant Connect mobile clients
- SpectraLink Pivot bundle: 4 SpectraLink Pivot Wi-Fi-only Android phones with touchscreen
- Sonim XP7 bundle: 4 Sonim XP7 Wi-Fi/LTE phones with touchscreen

Ideal for:

- Satellite office facilities
- Hospitals
- Manufacturing
- Schools: individual, district office, or colleges
- Hotels
- Noncritical public safety (crossing guards, community groups, disaster teams for backup to LMR)

**Figure 3.** Cisco Instant Connect Mobile Client

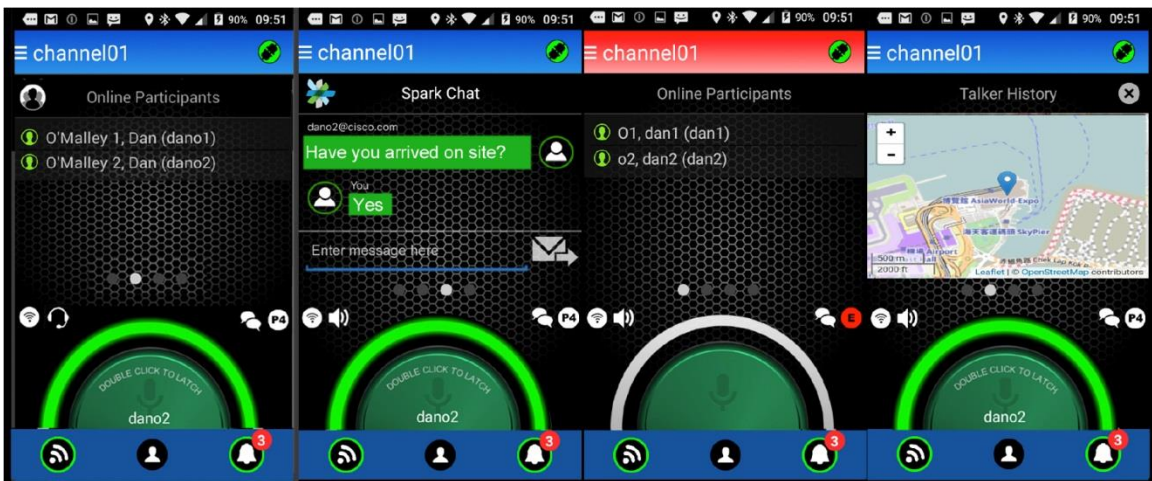


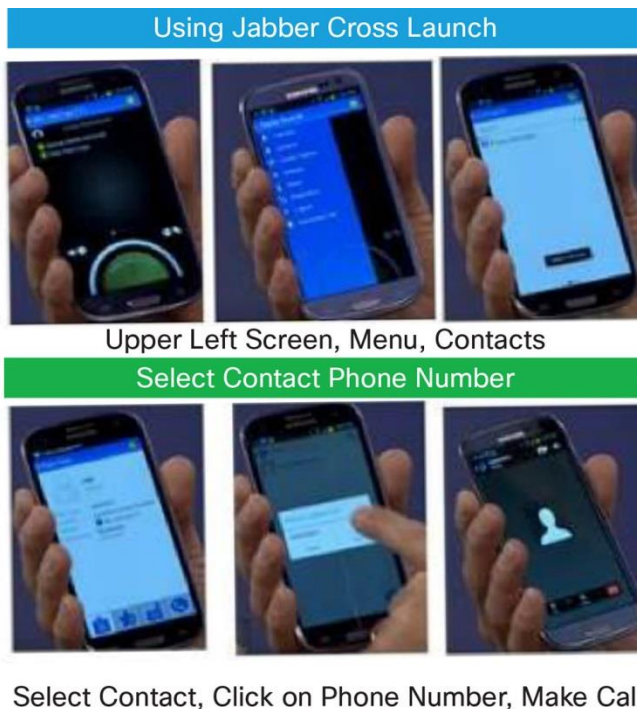
Figure 3 shows the online participants, Spark Chat session, Emergency Notification, and Basic Location information. The Instant Connect solution provides an economical alternative to service provider solutions for mobile communications or expensive LMR portable radios. Instant Connect enables mobile personnel within your Wi-Fi coverage area to participate in Push-To-Talk (PTT) sessions using a smartphone such as Android/Apple device with a Wi-Fi connection. In addition, personnel who are out of the coverage area can use a smartphone or tablet with a 3G or 4G or LTE cellular data or satellite connection.

Cisco Instant Connect Express includes:

- **Online and offline presence:** Users can see the identity of other users on their channel. When they use PTT, they will see which users and dispatchers are listening to their audio.
- **Automatic VPN:** Customers can now link VPN software like Cisco AnyConnect<sup>®</sup> software to the Instant Connect system. When the smartphones are configured with the proper VPN credentials, launching Instant Connect will automatically launch the VPN. Users are always connected to the push-to-talk system through highly secure carrier systems.
- **Talker priority and audio preemption:** Cisco Instant Connect users can now be assigned a talker priority. Users of higher priority can override the audio of lower priorities, so managers can always be heard on the talk line.
- **Unified contacts directory:** Now users can see a directory of up to 50,000 users, enabling companies to give employees instant access to the contacts database.

- **Contacts presence:** Users can see which contacts are logged in to the system, so they can track down active users.
- **Private push-to-talk call:** Users can now make private point-to-point push-to-talk calls. Calling users can pick a contact from the list and make a private call. The user's phone will start to ring, indicating the acceptance or rejection of the private PTT call. When the called party accepts a call, he or she leaves the group call and joins a new private PTT channel. Personal communications can take place without having everyone hear the PTT call.
- **Mapping:** Users can now see where other people are by pressing the mapping icon. This will bring up a visual map showing where users are from the contact directory.
- **Instant Connect administration:** Users with proper authority can now create talk lines. They can also add and delete users on these talk lines.
- **Low-bandwidth audio:** The Instant Connect mobile client now uses the Internet Low Bitrate Codec (iLBC), which encodes audio at 40 Kbps, reducing overall data costs.
- **Dial Connect:** The Instant Connect mobile client now has the ability to make a simultaneous telephone call while being on the Push-to-Talk (PTT) call so people don't miss important PTT calls while being on phone calls. The interface enables easy muting of PTT audio, phone call audio, or all audio.
- **Cisco Jabber and Spark Cross-Launch:** Now Instant Connect users can simply click on a phone number in the contacts list to make a Cisco Jabber or Spark voice or video call right from the Instant Connect user experience (Figure 4). This is ideal for Unified Communications customers who need instant group collaboration and also want personal audio or video collaboration.

**Figure 4.** Cisco Instant Connect and Cisco Jabber/Spark Cross-Launch



- **Sonim XP7:** Cisco Instant Connect is now bundled with hardened Android push-to-talk devices available in volume-price purchase plans (Figure 5). The Sonim phones are IP68 and IP69 -rated for extreme temperatures, are drop and shock resistant (IP68), and can survive a firehose -directed water blast (IP69). Sonim includes a 103 dB loudspeaker.

**Figure 5.** Cisco Instant Connect on Spectralink Pivot and Sonim XP7 Phone



## Upgrade to Full Cisco Instant Connect

Customers can upgrade to the full Cisco Instant Connect application, which includes the following features:

- Scan virtual talkgroup
- Broadcast virtual talkgroup
- Cluster Redundant high availability
- Land mobile radio integration
- Cisco Unified Communications integration (IP Phones)
- Dispatch clients

Table 1 lists the capabilities of Cisco Instant Connect.

**Table 1.** Instant Connect Express Capabilities

System Capabilities	Specification
<b>Users in database</b>	Up to 5,000 users in contacts directory
<b>Active users</b>	Up to 60 active push-to-talk users
<b>Talklines/VTG</b>	Up to 25 active Virtual Talk Groups (VTG)
<b>Mobile clients</b>	Up to 60 active (included in active users in row 2)

## Licensing Information

The Cisco Instant Connect server checks the license count for proper software and resource licenses. For example, one mobile client license is required for each mobile client logged in to the Cisco Instant Connect server. Table 2 provides licensing options.

**Table 2.** Instant Connect Licenses

Bundle Part Number CICE-EXPRESS-VM	Instant Connect Server License	Virtual Talk Groups	Policy Engine	Radio Channel Ports	Silver Consoles	Platinum Consoles	Mobile Clients	Location Server	UMS
CICE-SWONLY-K9	1	6	1	N/A	N/A	N/A	4	Basic	1
CICE-PIVOT-K9	1	6	1	N/A	N/A	N/A	4	Basic	1
CICE-SONIM-K9	1	6	1	N/A	N/A	N/A	4	Basic	1

## Ordering Information

To place an order, visit the Cisco ordering homepage or contact your Cisco account manager and refer to Table 3.

**Table 3.** Ordering Information

Product Part Number	Description
CICE-EXPRESS-VM=	Instant Connect Express physical system. Order all options to the Cisco Instant Connect physical delivery bundle.
CICE-SWONLY-K9	Cisco Instant Connect Express software only bundle. Order this as an option to the CICE-EXPRESS-VM= part number. This includes 4 BYOD mobile clients, 6 Virtual Talkgroups, and a basic location server,
CICE-PIVOT-K9	Cisco Instant Connect Express Spectralink Pivot bundle. Order this as an option to the CICE-EXPRESS-VM= part number. This includes 4 Spectralink Pivot Androids, 4 mobile client licenses, 6 Virtual Talkgroups, and a basic location server,
CICE-SONIM-K9	Cisco Instant Connect Express Sonim XP7 Pivot bundle. Order this as an option to the CICE-EXPRESS-VM= part number. This includes 4 Sonim Ultra Rugged Androids, 4 mobile client licenses, 6 Virtual Talkgroups, and a basic location server,
CICE-NFR	Cisco Instant Connect Express software Not For Resale (NFR) bundle. Order this as an option to the CICE-EXPRESS-VM= part number. This includes 4 mobile client licenses, 6 Virtual Talkgroups, and a basic location server, This option is for partners to order for demonstration purposes.
CIC-MC	Mobile client Cisco Instant Connect license. Order one per each Android and or Apple mobile client needed in the system. Order this as an option to the CICE-EXPRESS-VM=.
CIC-MC-10	Mobile client Cisco Instant Connect license 10 Pack. Order one per each 10 Android and or Apple mobile client needed in the system. Order this as an option to the CICE-EXPRESS-VM=.
CIC-MC-50	Mobile client Cisco Instant Connect license 50 Pack. Order one per each 50 Android and or Apple mobile client needed in the system. Order this as an option to the CICE-EXPRESS-VM=.
CIC-VTG	Virtual TalkGroup (VTG). Order one for each desired VTG. Order this as an option to the CICE-EXPRESS-VM=.
CIC-DC	Cisco Instant Connect Dial Connect license. Order one per each simultaneous phone/Push To Talk (PTT) call needed in the system. The Dial Connect license includes the Cisco Instant Connect mobile client license. Order this as an option to the CICE-EXPRESS-VM=.
CIC-DC-100	Cisco Instant Connect Dial Connect license 100 Pack. Order one per each 100 simultaneous phone/Push To Talk (PTT) call needed in the system. The Dial Connect license includes the Cisco Instant Connect mobile client license. Order this as an option to the CICE-EXPRESS-VM=.

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