

Cisco Instant Connect Express

Cisco® Instant Connect Express gives mobile workers the ability to communicate instantly with push-to-talk conversations, phone calls, and video 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 systems, can be sold by any Cisco reseller. Instant Connect Express allows up to 50 mobile clients to talk on the system. It does not include scan virtual talk groups (VTGs), broadcast VTGs, land mobile radio (LMR) connectivity, or Cisco Unified Communications connectivity, but customers can upgrade to the full version of Instant Connect and have 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

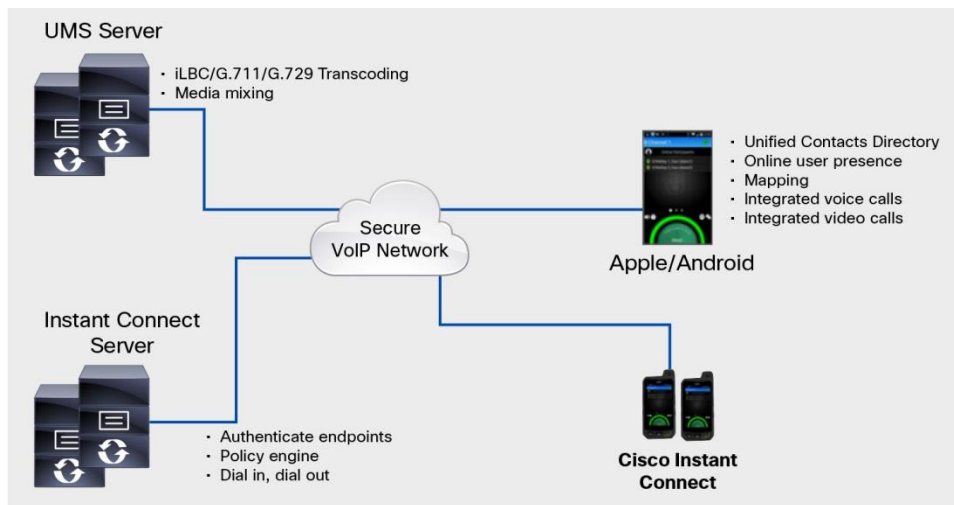


Figure 2. Cisco Instant Connect Express



The new starter kits for on premises 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

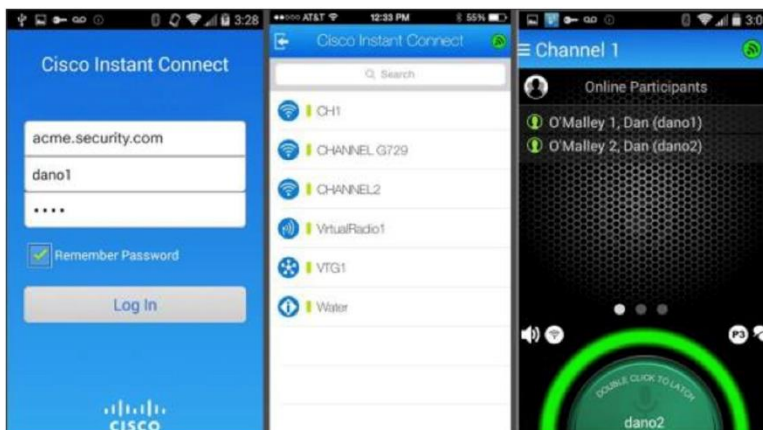
There are three options for the starter kit:

- BYOD bundle: 4 Cisco Instant Connect mobile clients
- Sonim XP6 bundle: 4 Sonim XP6 phones with keypad
- Sonim XP7 bundle: 4 Sonim XP7 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



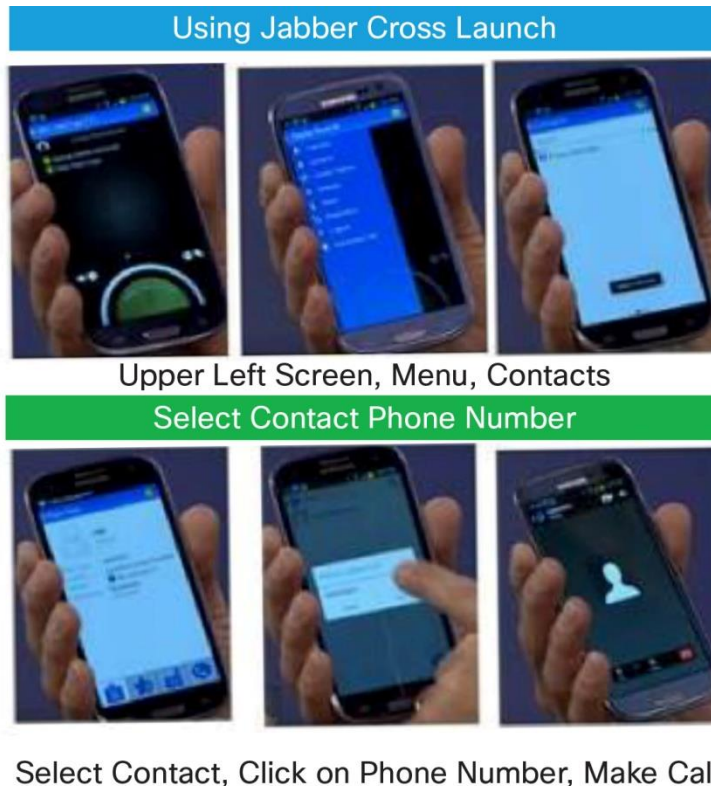
The Instant Connect solution provides an economical alternative to service provider solutions for mobile communications or expensive LMR portable radios. Instant Connect enables mobile personnel within your Wi-Fi coverage area to participate in push-to-talk (PTT) sessions using a Cisco Unified Wireless IP Phone or an Android device with a Wi-Fi connection. In addition, personnel who are out of the coverage area can use nearly any analog or digital radio or a smartphone or tablet with a 3G or 4G cellular data connection or satellite connection.

Cisco Instant Connect Express includes:

- **Online and offline presence:** Users can see who's 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[®] 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, allowing 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 virtual talk groups (VTGs) and talk lines, scan VTGs, and broadcast VTGs. They can also add and delete users on these talk lines and resources from scan VTGs or broadcast VTGs.
- **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.
- **Cisco Jabber Cross-Launch:** Now Instant Connect users can just click on a person's phone number in the contacts list and make a Cisco Jabber voice or video call right from the Instant Connect user experience (Figure 4). This is perfect for Unified Communications customers who need instant group collaboration and also want personal audio or video collaboration. We have also released an Android Instant Connect client for use with the Cisco DX and CX series products. Now Cisco phones can be turned into a full dispatch endpoint for up to 10 simultaneous channels.

Figure 4. Cisco Instant Connect and Cisco Jabber Cross-Launch



- **Sonim XP6 and 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 (IP69). They include a 103 dB loudspeaker.

Figure 5. Cisco Instant Connect on Sonim XP6 and XP7 Phones



Upgrade to Full Cisco Instant Connect

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

- Scan virtual talk group
- Broadcast virtual talk group
- 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
Users in database	Up to 50,000 users in contacts directory
Active users	Up to 50 active push to talk users
VTGs	Up to 16 active
Mobile clients	Up to 50 active (included in active users in row 2)

Licensing Information

The Cisco IP Interoperability and Collaboration System (IPICS) server checks the license count for proper software and resource licenses. For example, one dispatch console license is required for each Instant Connect Dispatch Console client logged in to the IPICS server. That means that the Instant Connect Dispatch Console can be installed on as many PCs as needed, and the licensing is based only on the Instant Connect Dispatch Console sessions that are in use at any given time. Table 2 provides licensing options.

Table 2. Instant Connect Licenses

Bundle Part Number	Instant Connect Server License	Virtual Talk Groups	Policy Engine	Radio Channel Ports	Silver Consoles	Platinum Consoles	Mobile Clients	Dial Ports	UMS
IPICS-BDL5-SW-K9	1	4	1	-	-	-	4	-	1
IPICS-BDL5-XP6-K9	1	4	1	-	-	-	4	-	1
IPICS-BDL5-XP7-K9	1	4	1	-	-	-	4	-	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
CIS-IPICS-VM	Virtualized IPICS software. Order this for a virtualized version of the IPICS system. Structure all software as options to this part number for physical delivery of software licenses.
L-CIS-IPICS-VM=	Virtualized IPICS software. Order this for a virtualized version of the IPICS system. Structure all software as options to this part number for eDelivery of software licenses.
IPICS-BDL5-SW-K9	Instant Connect Express bundle used for on-premises push-to-talk with four Instant Connect mobile client licenses. Order this as an option for the CIS-IPICS-VM for physical delivery, or as an option for the L-CIS-IPICS-VM= for eDelivery.
IPICS-BDL5-XP6-K9	Instant Connect Express bundle used for on-premises push-to-talk with four Sonim XP6 Android phones. Order the Instant Connect Express bundle options for the CIS-IPICS-VM for physical delivery. There is no eDelivery for this bundle.
IPICS-BDL5-XP7-K9	Instant Connect Express bundle used for on-premises push-to-talk with four Sonim XP7 Android phones. Order the Instant Connect Express bundle options for the CIS-IPICS-VM for physical delivery. There is no eDelivery for this bundle.
CIS-MC	Mobile client IPICS license. Order one per each Android and iPhone mobile client needed in the system. Order this as an option for the CIS-IPICS-VM for physical delivery, or as an option for the L-CIS-IPICS-VM= for eDelivery.
CIS-VIP-VTG2	Virtual talk group (VTG). Order one for each desired VTG. Order this as an option for the CIS-IPICS-VM for physical delivery, or as an option for the L-CIS-IPICS-VM= for eDelivery.
CIS-IPMC	Instant Connect Mobile or IP Phone client. Order one for each single Cisco Instant Connect mobile client. Order this as an option for the CIS-IPICS-VM for physical delivery, or as an option for the L-CIS-IPICS-VM= for eDelivery.
CIS-IPMC-10	Instant Connect Mobile or IP Phone client 10 pack. Order this as an option for the CIS-IPICS-VM for physical delivery, or as an option for the L-CIS-IPICS-VM= for eDelivery.
CIS-IPMC-50	Instant Connect Mobile or IP Phone client 50 pack. Order this as an option for the CIS-IPICS-VM for physical delivery, or as an option for the L-CIS-IPICS-VM= for eDelivery.
CIS-IPMC-XP6	Instant Connect Mobile with one (1 pack) XP6 hardened Sonim phone. Order this as an option for the CIS-IPICS-VM for physical delivery. There is no eDelivery option.
CIS-IPMC-XP6-10	Instant Connect Mobile with ten (10 pack) XP6 hardened Sonim phones. Order this as an option for the CIS-IPICS-VM for physical delivery. There is no eDelivery option.

Product Part Number	Description
CIS-IPMC-XP7	Instant Connect Mobile with one (1 pack) XP7 hardened Sonim phone. Order this as an option for the CIS-IPICS-VM for physical delivery. There is no eDelivery option.
CIS-IPMC-XP7-10	Instant Connect Mobile with ten (10 pack) XP7 hardened Sonim phones. Order this as an option for the CIS-IPICS-VM for physical delivery. There is no eDelivery option.
CIS-ICE-SW2-UG	Upgrade from Cisco Instant Connect Express to full Cisco Instant Connect. Includes scan and broadcast calls. Order this as an option for the CIS-IPICS-VM for physical delivery, or as an option to the L-CIS-IPICS-VM= for eDelivery.

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