



Enterprise INTEL UNITE®



LEGAL NOTICES AND DISCLAIMERS

Intel technologies may require enabled hardware, specific software, or services activation. Performance varies depending on system configuration. No computer system can be absolutely secure. Check with your system manufacturer or retailer or learn more at www.intel.com

Cost reduction scenarios described are intended as examples of how a given Intel- based product, in the specified circumstances and configurations, may affect future costs and provide cost savings. Circumstances will vary. Intel does not guarantee any costs or cost reduction.

Intel Unite is a trademark of Intel Corporation or its subsidiaries in the U.S. and/or other countries.

Intel, the Intel logo, Intel Core vPro, and Intel Unite are trademarks of Intel Corporation or its subsidiaries in the U.S. and/or other countries.

This presentation contains details, product schedules and other information that is subject to change without notice.

* Other names and brands may be claimed as the property of others.

© 2018 Intel Corporation

INDUSTRY COLLABORATION PAIN POINTS¹

INTEGRATION

82% Of IT decision makers cite integration challenges with their meeting tools

LIMITED INTEGRATION

Business and collaboration apps

LIMITED SUPPORT

Business and collaboration apps

FUNCTIONALITY GAPS

Across operating systems

USER EXPERIENCE

88% Of IT decision makers feel that their current meeting space technologies create UX challenges

TECHNICAL CHALLENGES

Results in lost time or productivity

↑ IT SUPPORT REQUEST

High volume of IT support requests

DIFFICULT SET-UP

Difficulty setting up meetings and using in-room resources

TOTAL COST OF OWNERSHIP

47% Expect meeting collaboration/conferencing technology to provide a lower TCO

SUPPORT

New infrastructure required to support solutions

MAINTENANCE

Updating, maintaining, replacing HW are cumbersome and requires physical presence

THE WORKPLACE COLLABORATION LANDSCAPE IS CHANGING

The next generation is moving into the workforce...

"By 2020, millennials will form **50%** of the global workforce."

-PricewaterhouseCoopers, 2011

Bringing new attitudes and expectations...

"**59%** of workers said that an employer's provision of state-of-the-art technology was important to them when considering a job"

-PwC's Millennials at Work: Reshaping the Workplace, 2017

Is your organization positioned to succeed?

"...the vast majority of huddle rooms have little or no technology in place today."

-Wainhouse Research, 2015

The world of work is increasingly mobile...

50-60% of the time, employees of Fortune 1000 companies around the globe are not at their desks

-GlobalWorkplaceAnalytics.com, 2018

Which has workers collaborating from more varied places...

"**HALF** of global employees currently work remotely at least a few times a week..."

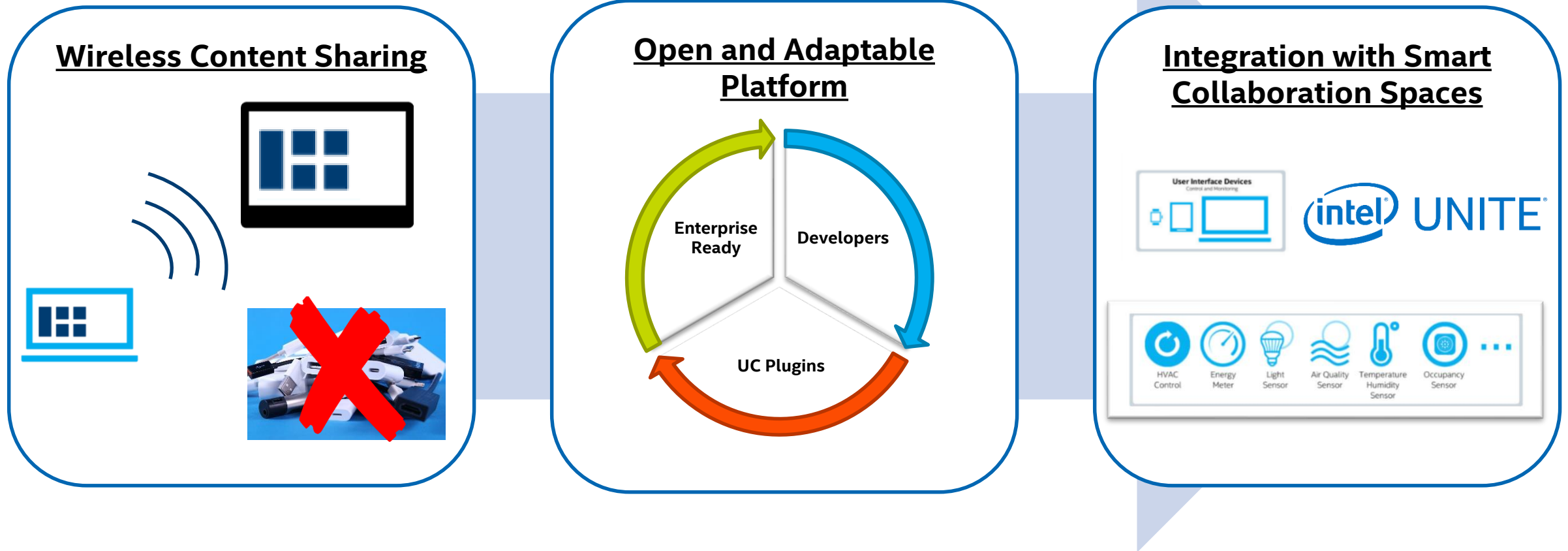
-Dell & Intel Future Workforce Study Global Report, 2016

But collaboration solutions can be challenging for meetings...

"68% of workers experience that up to **95%** of meetings start late... delayed by an average of 10 minutes, 40 seconds"

-OVUM Consulting, 2014

EVOLUTION OF INTEL UNITE®



Intel Unite® adapts with the changing needs of the workplace environment

INTEL UNITE® - HOW IT WORKS

Plug-ins

Access additional information like meeting room schedule through plug-ins



Hub PIN

6-digit PIN for the session. Configurable size, font, color, and rotation cadence.

Participants

Identifies number of participants currently connected to the Hub. Click to see participant list and manage session permissions.

Session Tools

Interact with additional tools by activating configured Hub plug-ins.

PIN Entry

Enter this 6-digit PIN for the Intel Unite® hub you want to join

No Room Hub

Host an Intel Unite® solution session directly from your Intel® vPro™-enabled client device

Settings

Access user settings including name preference, avatar, and presentation defaults.

Manage Menu

Collapse or expand the side menu panel.

Hub Info

Identifies which Hub (room) you're connected to and the current network status.

Disconnect

Disconnect yourself from the session

Quick Present

Present your main desktop to the main display in the room and remote participants

Advance Present

Advance presentation settings. Select desktop and display to present to. Alternatively, present an application or extend your display.

Content Pane

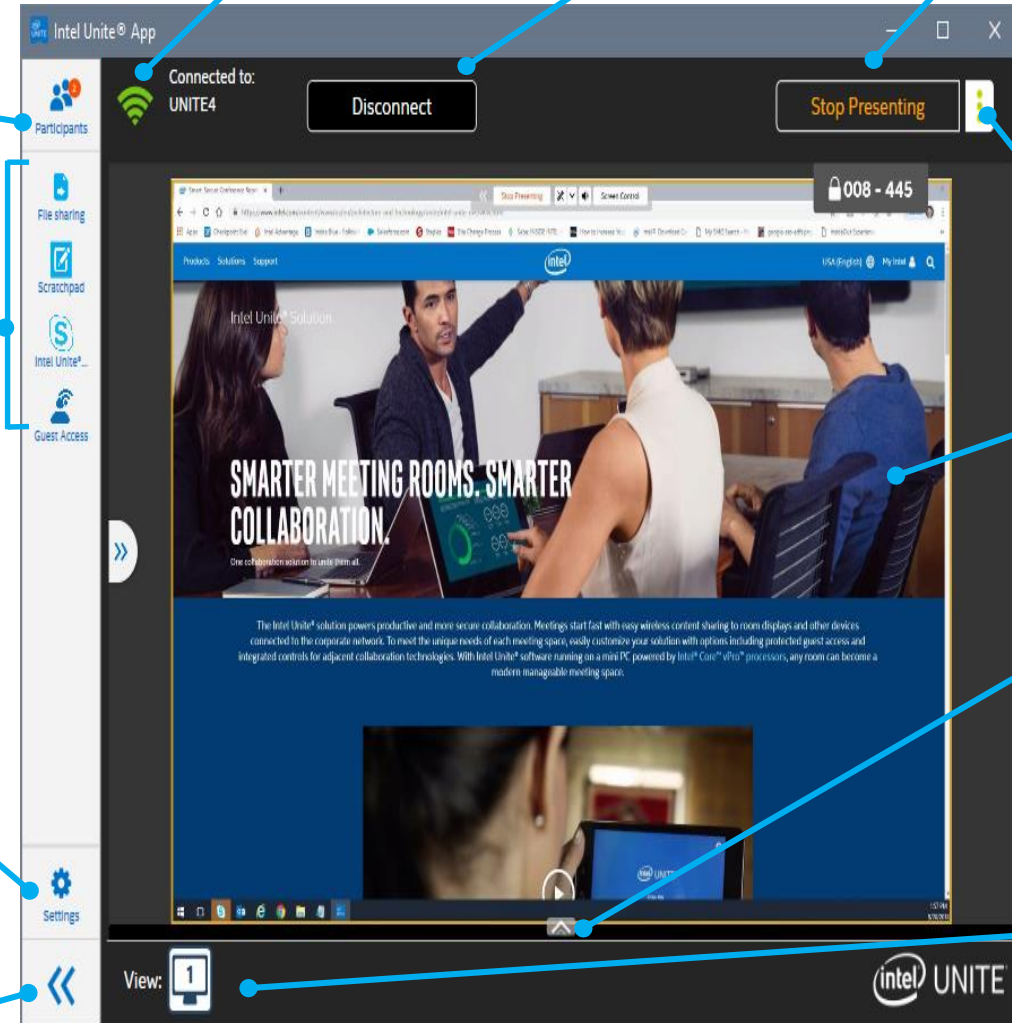
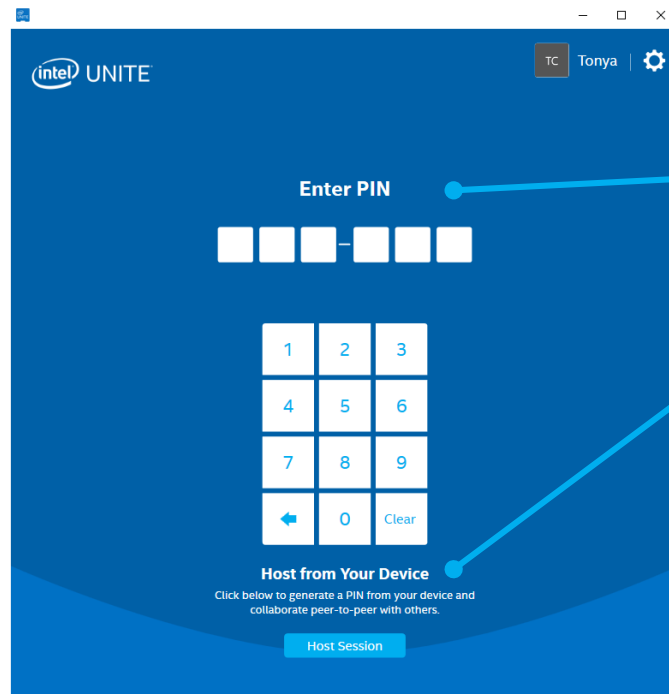
Shared content is viewable in this pane or use the settings menu or contextual tray to view content in a new window.

Contextual Tray

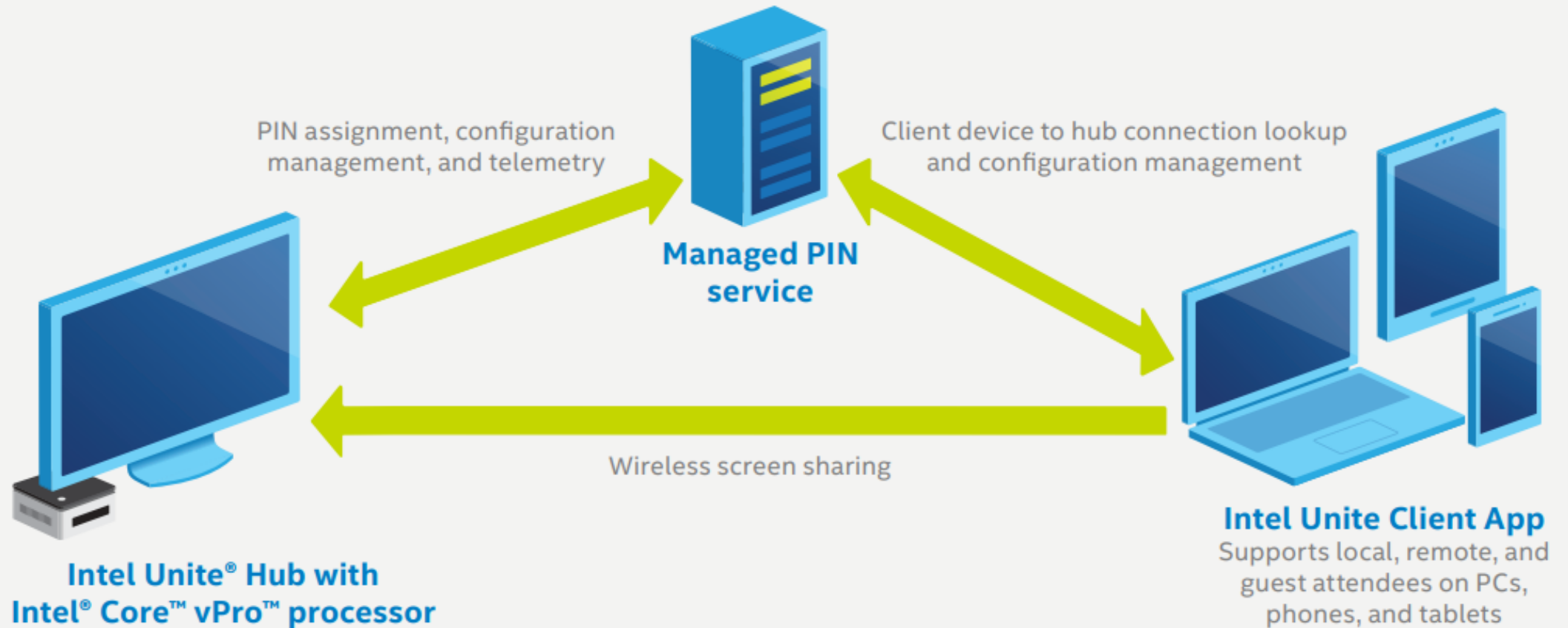
Click the carrot to expand the contextual tray which includes annotation and separate viewing window options.

Select Content

Select which presenter's content you would like to view. The monitor indicates an in-room display is presenting, select this to remotely view multiple presenters simultaneously.



INTEL UNITE® SOLUTION: COMPONENTS AT A GLANCE



INTEL UNITE® - ENTERPRISE INSTALLATION OVERVIEW

SYSTEM COMPONENTS

ENTERPRISE PIN SERVICE

- Microsoft* SQL and MySQL database
- Web Service
- Administration Portal Website
- Client download webpage

SYSTEM REQUIREMENTS

- Virtual or Physical Server
- MSFT Win Server 2012 R2 or 2016
 - 32-bit or 64-bit
 - Recommend latest patch level
- Microsoft Internet Information Services with SSL (certificate)
- MSFT SQL Server 2012, 2014, 2016, 2017
- Microsoft .NET 4.5 +
- 4 GB RAM, 32 GB storage

PRE-INSTALLATION REQUIREMENTS

- Admin rights on enterprise server
- Admin access to SQL server
- Ability to create DNS TXT record
- IIS v7.0+ w/ SSL enabled, SMTP set up
- Install/enable ASP.NET 4.5

COLLABORATION SPACE HUB

- Intel Unite® solution enabled mini PC/AiO/OPS with Intel® Core™ i5 or i7 processor and Intel® vPro™ technology
- Note: OEM partners provide specific Intel Unite®-ready SKUs

- Microsoft Windows 7 SP1, 8.1, 10 (up to RS4)
 - 32-bit or 64-bit
 - Recommend latest patch level
- Microsoft .NET 4.5 +
- Intel Unite enabled mini PC/AiO/OPS. Confirm Intel Unite SKU with OEM.
- Wired/wireless network connection
- 4GB RAM, 32 GB Storage (100MB HDD available space)

- Exemption in hub firewall to connect with enterprise server and allow clients to connect
- DNS TXT record is used to determine pin server

CLIENTS

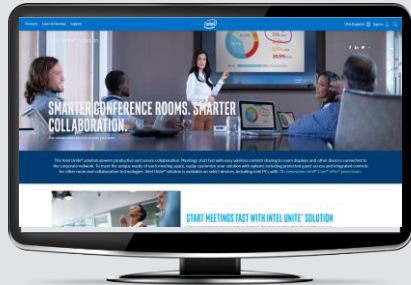
- Intel Unite application on client device
- A/V Support: Windows, macOS X*, & Chromebook*
- iPad/iOS* and Android*
- Linux*-based PCs (video enabled)

- Windows 7 SP1, 8.1, 10 (up to RS4)
 - Microsoft .NET 4.6 +
- Apple macOS X 10.12 +
- iPad iOS 11 +
- Android tablet 6.0+ (Marshmallow)*
- Chromebook
- Linux (Fedora 27 or 28, Red Hat 7, Ubuntu 16 or 18)
- Wired/wireless network connection
- 1 GB RAM; 50MB HDD available space

- Set up client download webpage
- Verify Intel Unite solution hub instructions on how to download app
- DNS TXT record is used to determine pin server

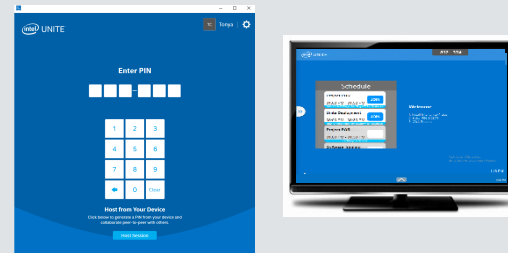
ENTERPRISE INSTALLATION OF INTEL UNITE® – 4.0 FEATURES

Native Touch and Touch Back



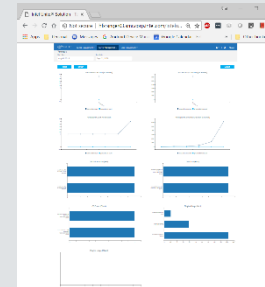
- **Native Touch** : Control Unite app from touch display, Access to plugins from mtg. room display
- **Touch Back Capabilities**: Control Win10 device from front of the room

Refreshed UI



- Updated look and feel / touch enabled
- Annotation on touch screen – hubs and clients!
- Dynamic room display option

Expanded IT Features



- Automatic Over-the-Air Updates
- Expanded Telemetry to provide insight into collaboration space usage
- Dynamic Display for Smarter Rooms

Enhanced SDK



- Greater access to Unite infrastructure for a more unified app integration
- Modular architecture supports HTML5 development
- Advanced customization

INTEL UNITE® SOLUTION V4.0 TELEMETRY UPDATES

Hub Hardware
Hardware Inventory
Connected Display(s) Information
Resolution
Number of Displays
CPU Information
Graphics Driver
Hub Performance Indicators
CPU Usage
RAM Usage
Network Status
Plugins
Hub Plugins
Usage (number of times used) - per plugin
from Hub
from client
OS
OS Version (Hub and Clients)

Intel Unite Features/Capabilities
Annotation (clients and touch Hubs)
Auto Disconnect (closed lid)
File Sharing
Moderator Mode
Peer to Peer (vPro client only)
Remote View
Scheduled Meeting
Simultaneous Screen Sharing
Take Over (one person become sole presenter)
Touchback - client screen control from touch Hub (Win10 clients only)
Virtual Extended Display
Connectivity
Network Latency (to Hub)
Intel Unite Software
Application Version

ROBUST PLUGIN ECOSYSTEM

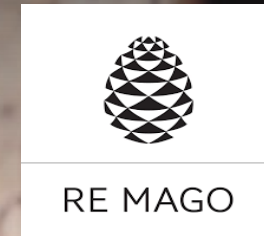
Unified Communications



A/V Controls



Digital Whiteboards



Document Cameras



INTEL UNITE® IN ACTION: ENTERPRISE



Take back the conference room

- **Integrate** the Intel Unite® solution with **existing or new room technologies**
- Multiple presenters can **share content simultaneously** without the need for cables or dongles
- **Manage in-room technologies** from the front of the room or through client devices



Harness the huddle

- **Cost-effective** solution for room collaboration technology upgrades
- **Simple-to-use & wireless** – no more cables, dongles or adapters needed for users
- **Quickly share** and switch presenters to avoid delays, increase productivity



Collaborate with digital signage

- Turn **any display** into an **adhoc meeting space** with PIN-only mode
- **Increase technology utilization** with an unintimidating presentation option



Share easily peer to peer

- **Host a session from a PC** with Intel® vPro™ technology and begin sharing
- **Share and view screens easily** with people sitting across the table
- **Great for adhoc meetings** in common areas or cafeterias
- Easy tool for quick **screen sharing with peers during a phone call**

INTEL UNITE®: FORM FACTOR CHOICE



ALL-IN-ONE

- ✓ No in-room display
- ✓ Small spaces (Huddle Rooms, Open Collab Space)



INTEGRATED MODULE

- ✓ Interactive whiteboards
- ✓ Integrated with display



SMALL FORM FACTOR

- ✓ Existing displays
- ✓ Discreet HW – behind the screen/below the table



TABLE TOP

- ✓ Existing display
- ✓ Phone replacement - integrated speaker/mic

INTEL UNITE® - AN OPEN PLATFORM THAT EVOLVES WITH YOU

Your platform for innovation

Use the API set to build your own plugins. Here are a few ways users are customizing the Intel Unite® solution.

Unified Communications Integration	Automated Monitoring	Proactive Maintenance	Security
Cisco* Telepresence	Monitor lighting	Report room issues	Send important messages to all rooms
Skype* for Business	Monitor occupancy	Send alerts to IT	Badge scan or Scheduled Meeting ID to join sessions
Zoom*	Monitor temperature		Protected Guest Access

Intel is growing an ecosystem of plugin extensibility and room technology integration opportunities
SDK available now at: <https://software.intel.com/en-us/unite-sdk>

THE INTEL UNITE[®] SOLUTION DIFFERENCE

One central collaboration platform
Most operating systems, most devices, on any display, anywhere on your network.

Redefine User Friendly

Join via PIN, meeting link,
ultrasonic meeting join,
badge scan access¹

Wireless connectivity—
no dongles or cables

Faster meeting start

High-quality images,
audio, and video

Switch presenters instantly

Up to 4 simultaneous
presenters per monitor and
real-time annotations

Redefine Manageability & Security

Manage meetings remotely

Improved security with built-
in end-to-end data
encryption¹

Host applications
on open platform

Integrate with existing
infrastructure

Integrates with existing
management solutions
with no licensing fee

View telemetry on space
usage and meetings

WHAT INTEL UNITE® CUSTOMERS ARE SAYING

“Of all the available options, the Intel Unite® solution provided the **simplest user experience**. Associates walk in, launch the app, type in a PIN, and they’re connected to the display.”

– Ben Crosier, Technology Architect, Cerner











“Intel Unite might have been the **easiest software/hardware deployment** I’ve ever done. This is important when I’m taking a new solution to my internal customers. The faster I can set it up and deploy it, the faster they can use it and see the value.”

– Kurt Stetler, IT Manager, SAMES KREMLIN

“The beauty of Intel Unite software is how easy it is to use. It’s one of the best collaboration solutions we’ve tested...It also works with our existing collaboration technology helping us get more out of investments while enhancing the co-working spaces experience. We see **huge savings, time reduction, and significant increase in the User Experience.**”

– Victor Ruiz, Digital Enabling, Endesa Enel

INTEL UNITE® HUB – WHERE TO GET IT

	ALL-IN-ONE							
	INTEGRATED MODULE		ViewSonic®					
	SMALL FORM FACTOR			FUJITSU	TOSHIBA		lenovo	ASUS®
	TABLE TOP							

Contact manufacturers above for the latest ordering details and information on products supporting Intel Unite software.

This slide contains third party product information that is subject to change without notice
Other names and brands may be claimed as the property of others
The Intel Unite hubs are only available from select hardware SKUs

DISCOVER THE INTEL UNITE® SOLUTION

Seamless high-quality experience

Enable wireless content presenting, sharing, viewing, and annotation

Easy to deploy and manage

Manage, control, and get the most from your meeting space resources

Open platform

Support any device, screen, or operating system—in nearly any location

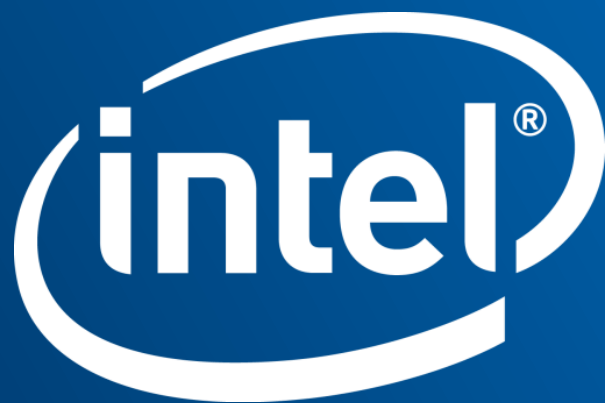
See the Intel Unite solution demo: https://www.youtube.com/watch?v=RCcpF9K_SDY

Learn more about the Intel Unite solution: intel.com/unite

Checkout the latest plugins: <https://uniteappshowcase.intel.com/>

Get support:

<https://www.intel.com/content/www/us/en/support/products/89294/software/software-applications/intel-unite-app.html>



KEY FEATURE SUMMARY BY CLIENT DEVICE

Enterprise Installation of Intel Unite® through v4.0

	Windows* PC	Mac*	iOS* (iPad, iPhone, iPod)	Android* (tablet, phone)	Chromebook*	Linux*
Connecting						
6-digit PIN entry to join	•	•	•	•	•	•
Scheduled Meetings, with Outlook add-in ¹	•	•	•	•	•	•
Protected Guest Access plugin	•	•				
Skype* for Business plugin	•	•				
Generate PIN and host from PC with Intel® vPro™ technology	•					
Collaborating						
Share screen/content wirelessly, in room and remote viewing	•	•	•	•	•	•
Extended Display (physical or virtual)	•	•				
Share an App	•	•				
Takeover	•	•	•	•	•	•
Split Screen View (on hub display, 2-4 client screens at once)	•	•	•	•	•	•
Annotate Remote (from View window)	•	•				
Annotate Local (from Presenter screen)	•	•				
Video with Audio Playback	•	•			•	•
File Sharing	•	•				
Security & Control						
View Attendees	•	•	•	•	•	•
Meeting Lock	•	•			•	•
Moderator Controls	•	•	•	•	•	•
Auto Disconnect	•	•	•	•	•	•
256-bit SSL encryption	•	•	•	•	•	•

* Other names and brands may be claimed as the property of others.

¹ Add-in available for Windows PC only, Web Service available for all other OS devices