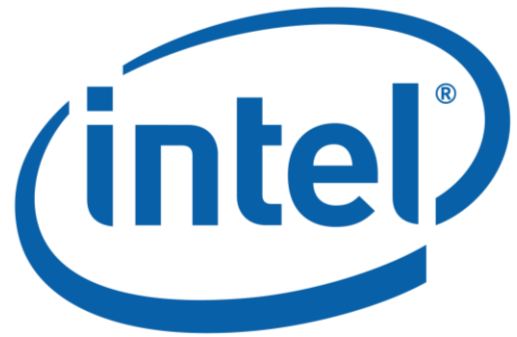


Wireless Remote Graphics Rendering

- Remote rendering of high quality graphics
- Output scales to resolution of remote device
- Designed for wireless connection
- Optimized OpenGL protocol
 - <20 Mbps bandwidth



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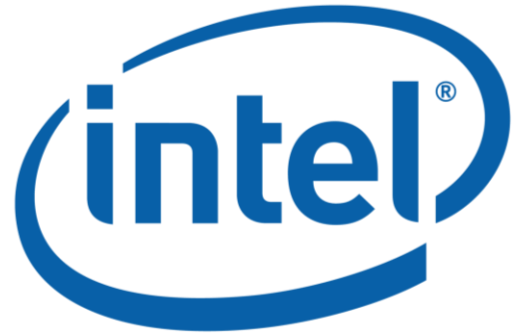


Wireless Device Discovery & Setup

- Makes wireless setup faster and easier
 - PIN Entry or NFC (Near Field Communications)
- Uses Layer 2 to enhance service discovery
 - Improved power efficiency
 - Avoids unreliable multicast messages
- Peer-to-peer connection improves performance



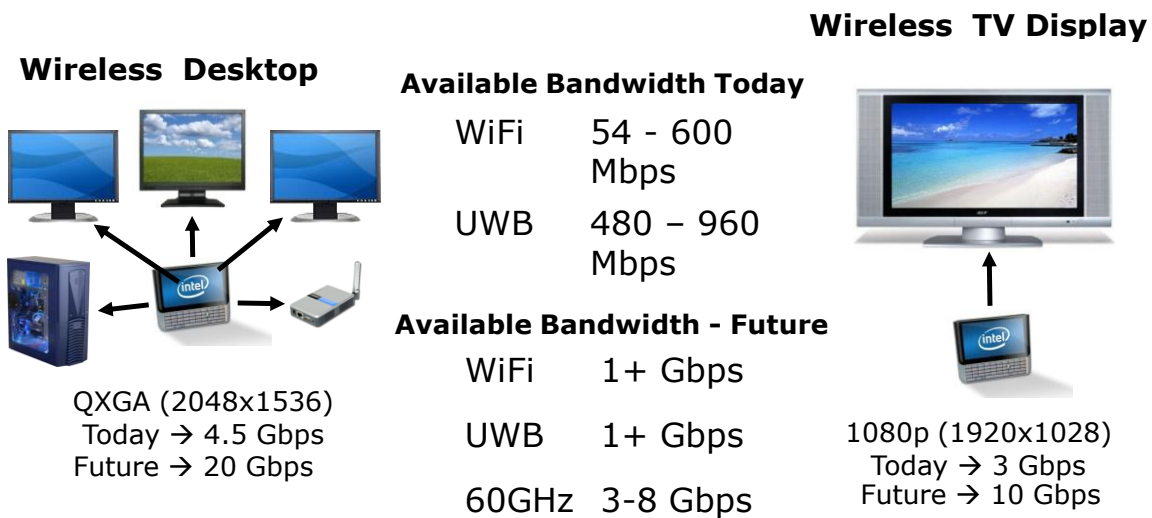
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Adaptable Compression for Wireless Display

- Provides HDTV quality over wireless
- H.264 compression technology
- Optimized for Desktop and video applications
- Balances quality with available bandwidth

Adaptable Compression for Wireless Display

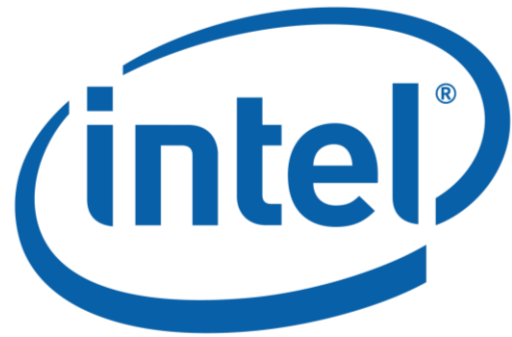


Multiple Monitors → + N x 20 Gbps

Multiple Devices → + 1-10 Gbps

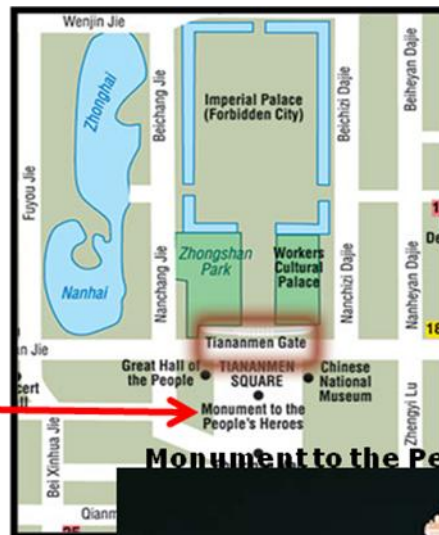
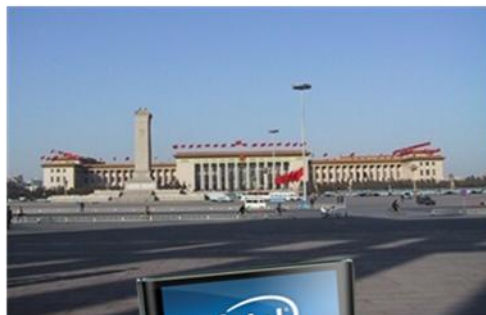
Compression is Needed: Today and in the Future

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Location-Based Services & New Input Methods

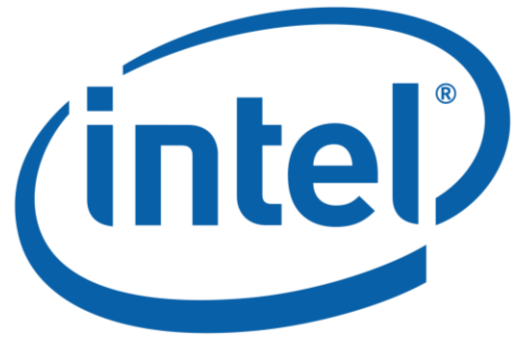
- Platform support enables context awareness
- Uses accelerometers and magnetometers
- Virtualized tour guide example
- Augmented with relevant Internet content
 - Maps, Points of Interest, History



Monument to the People's Heroes

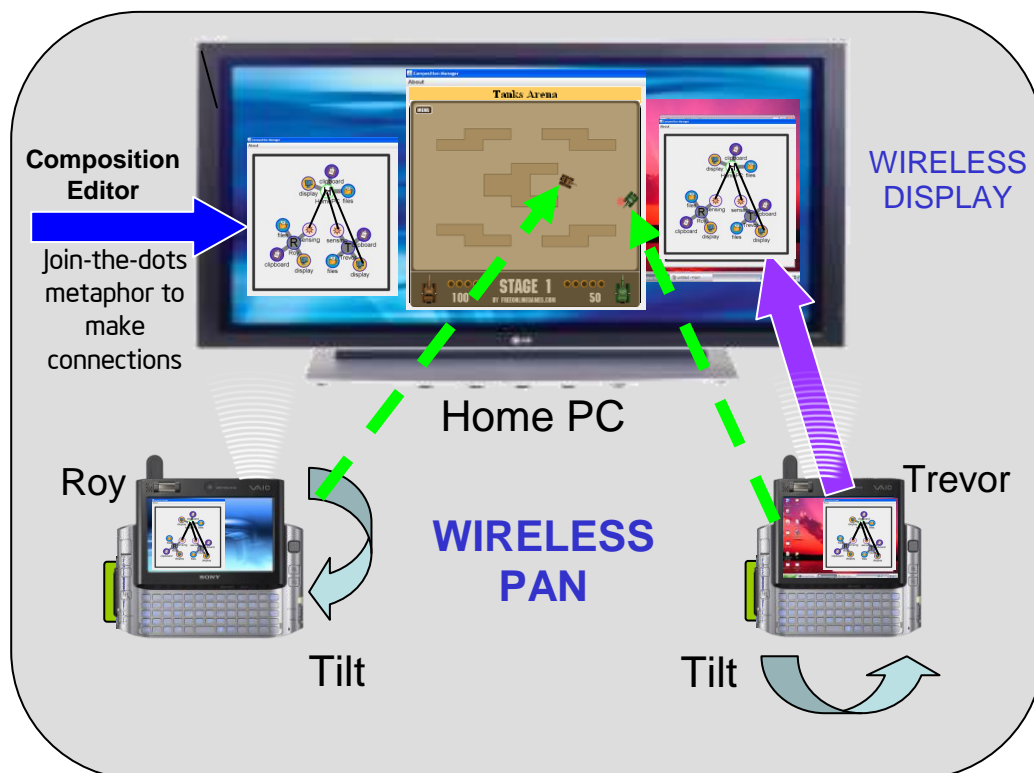


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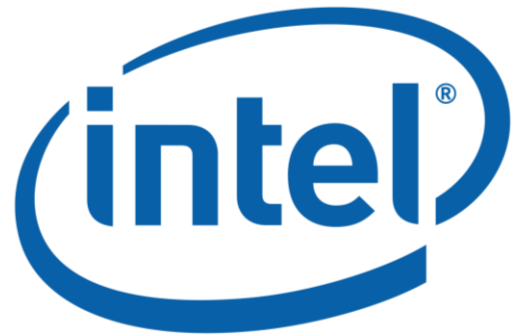


Composable Computing

- Easily share nearby computing devices and peripherals
- Overcome display and input limitations of small computers
- Create multiple connections (composition) with one command
- Composition enables new usage models

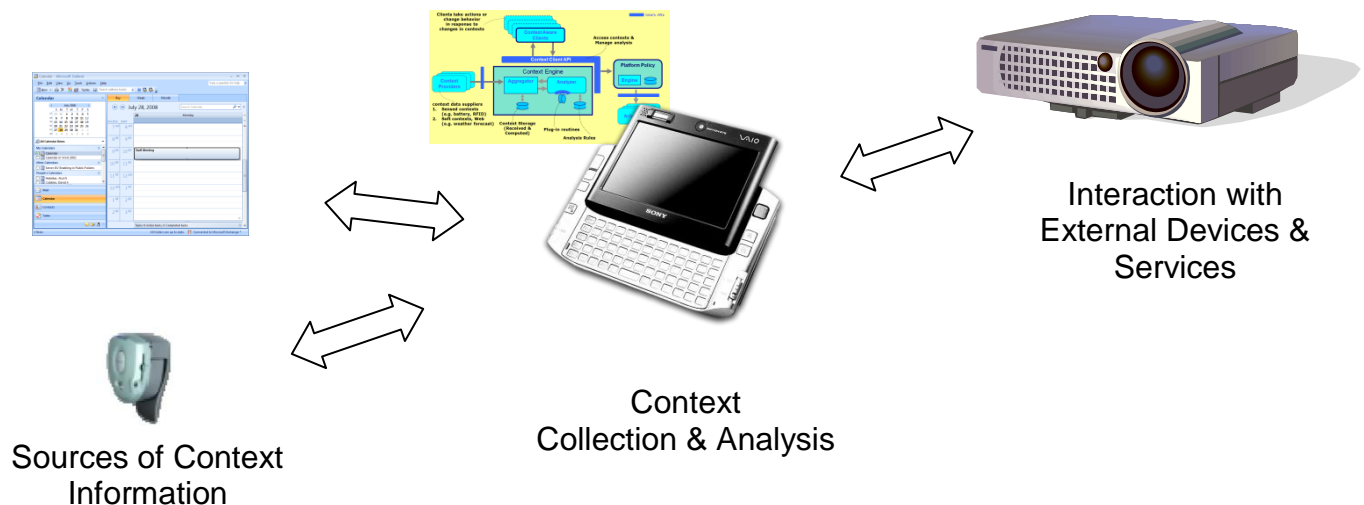


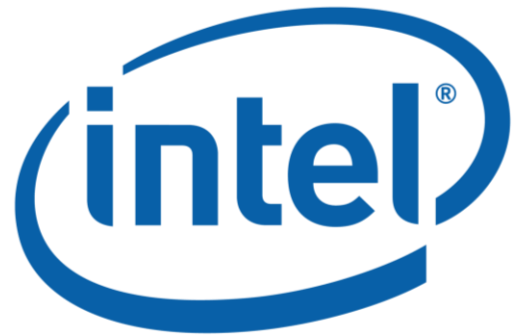
Example: MIDs become multi-user game controllers; the right-side MID remotes its screen to the larger display at the same time



Context-Aware Technology: Adaptive Mobile Computing

- Applications adapt to user's contexts:
 - o Where you are, what you're doing, what you like, what you need
- Extensible & Programmable Context Framework
 - o 3rd party extensible
 - o Programmable Analyzer: Customized contexts and Inferencing
 - o Client applications utilize context information that provides a better user experience.
- Device Composition is automated through the use of the Context Engine.





Cliffside Demo

- Cliffside is a new technology from Intel's Mobile Products Group that enables a single Wi-Fi adapter to function like two independent Wi-Fi adapters
- Imagine wirelessly syncing your audio and video files between your Centrino notebook and Wi-Fi enabled CE devices
- Imagine wirelessly connecting your notebook to your Wi-Fi enabled TV to view HD movies
- Imagine chatting and transferring files to other notebooks on a peer-to-peer BSS network
- The benefit of Cliffside is being able to simultaneously have a connection to a WLAN (BSS) while also enabling a Wi-Fi Personal Area Network (BSS) with up to eight Wi-Fi enabled devices connected directly to the notebook