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Overview and Roadmap

September 2011

Agenda

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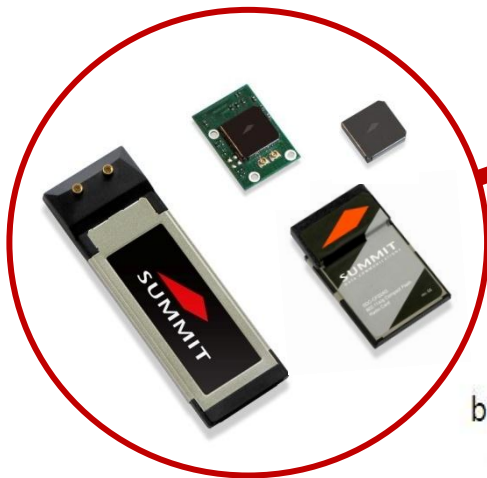
- **Company Overview**
- The Summit Solution
- Roadmap

Overview of Summit

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Summit makes industrial and medical-grade wireless modules designed for mission critical mobile devices used in challenging environments

Wireless Modules...



...integrated into mission-critical mobile devices...



...that operate on enterprise wireless LANs



Summit: Then and Now

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Then

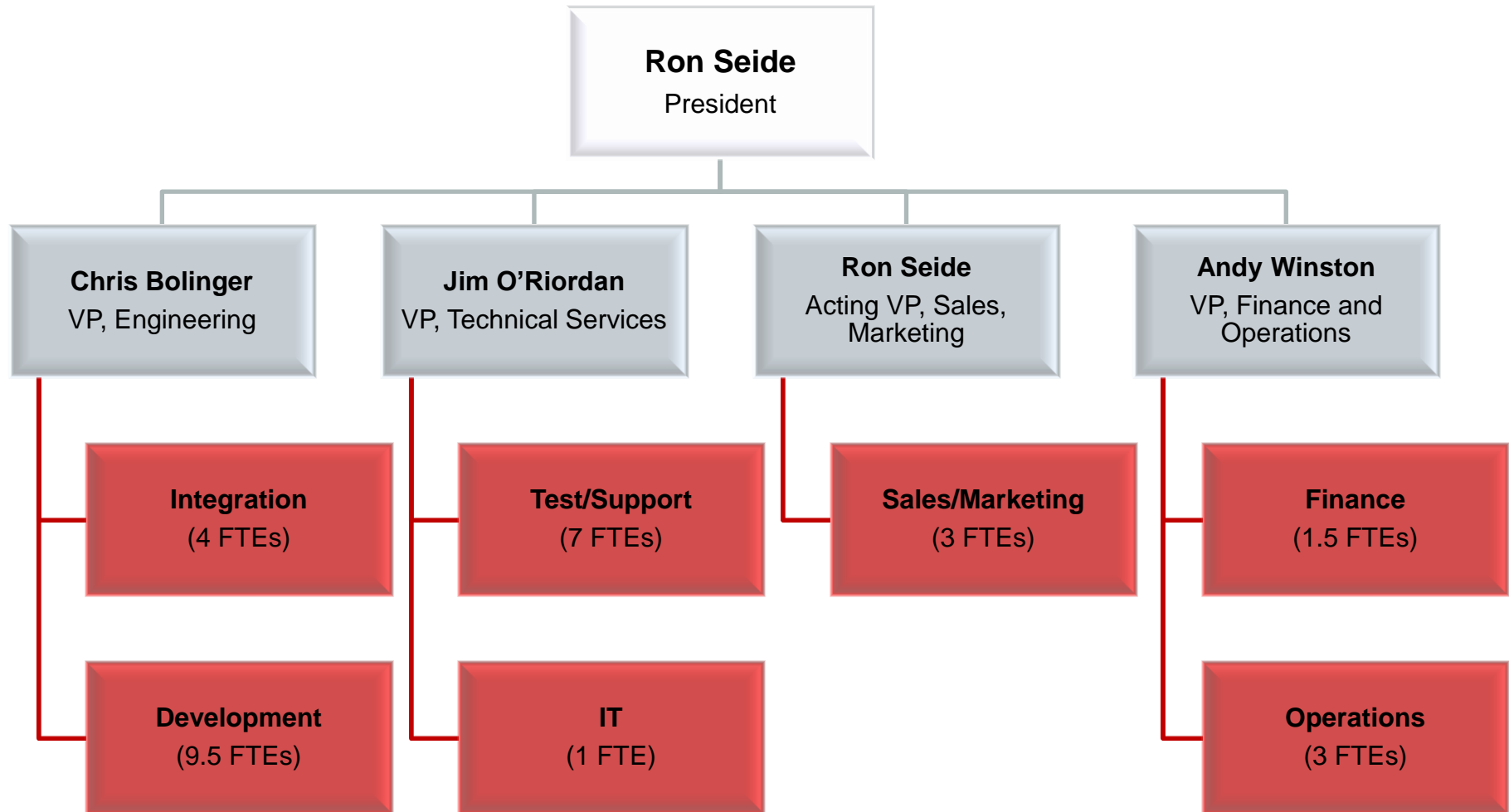
- Founded in 2006 by former Cisco wireless professionals
- Serve the Wi-Fi needs of the data capture industry
- 7 employees, 5 products, 3 customers

Now

- Provide Wi-Fi and Bluetooth solutions to data capture, medical, transportation and other markets
- More than 30 employees, 17 products, 70 customers around the world
- Over 1.3 million radios sold

Summit Organization

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Target Markets

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Data Capture

- Mobile computers
- Mobile printers
- Voice-driven systems

Medical

- Infusion pumps
- Patient monitors
- Cardiographs, others

Other

- Transportation
- Retail
- Defense



Partners

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Silicon

Gemtek



MITSUMI



Design and Manufacturing



ANDROID

Operating Systems



Certifications



Management

Summit Customers: Device Makers

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Summit End Users

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- Devices with “Summit inside” are used by prominent firms in:
 - Manufacturing
 - Retail
 - Logistics
 - Healthcare
 - Other verticals
- Increasingly, end users specify Summit by name



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- **The Summit Solution**
- Roadmap

The Summit Solution

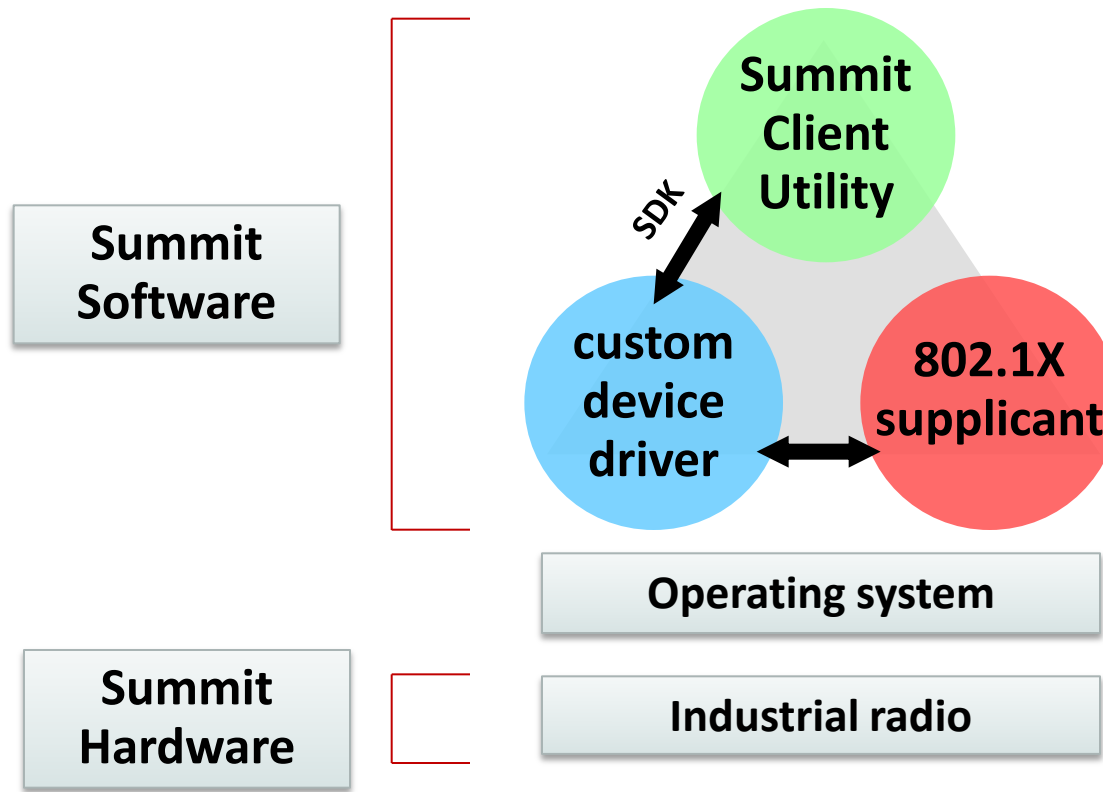
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- Hardware
- Software
- Integration services
- Certifications
- Technical support services



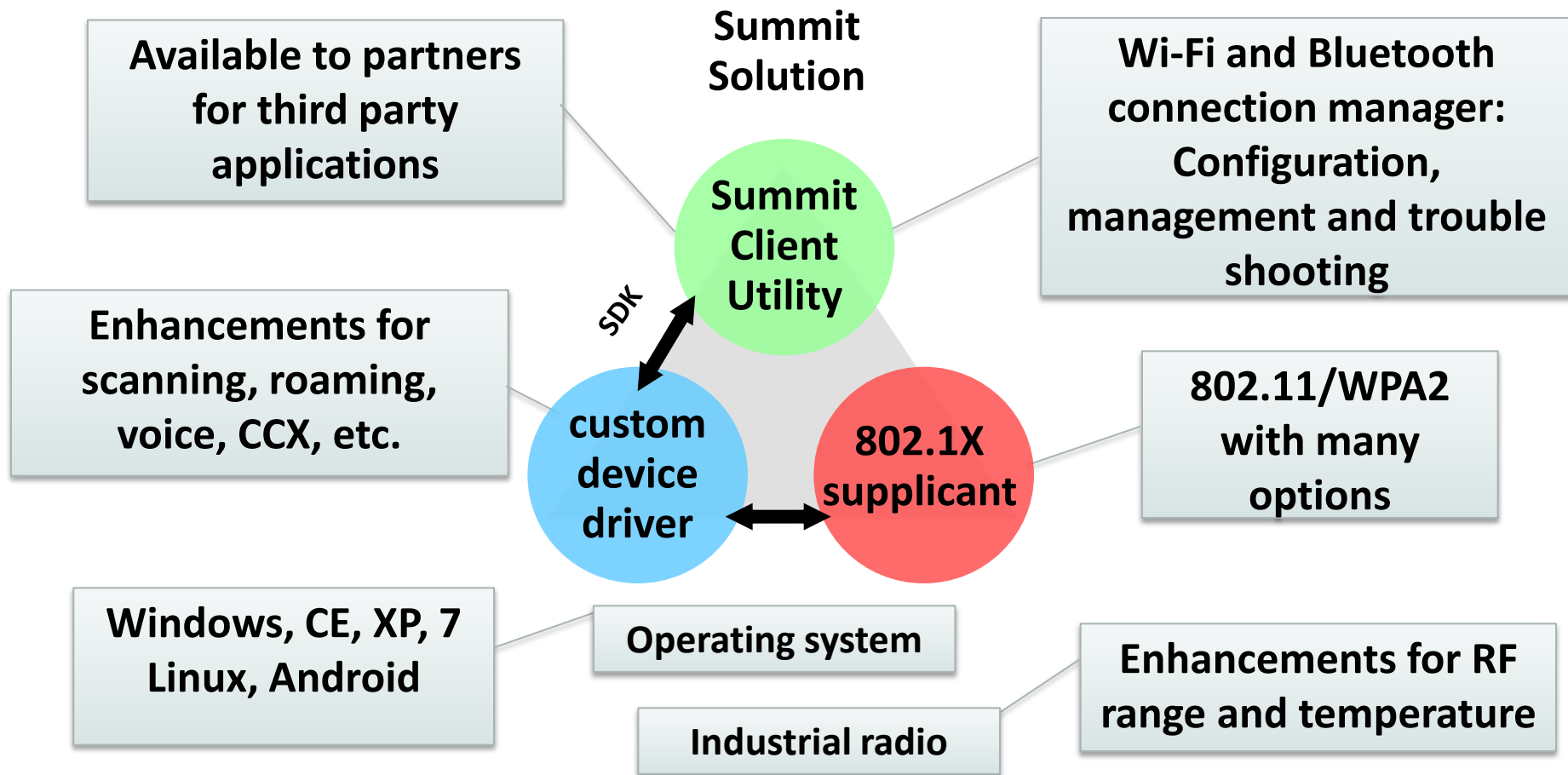
Hardware and Software

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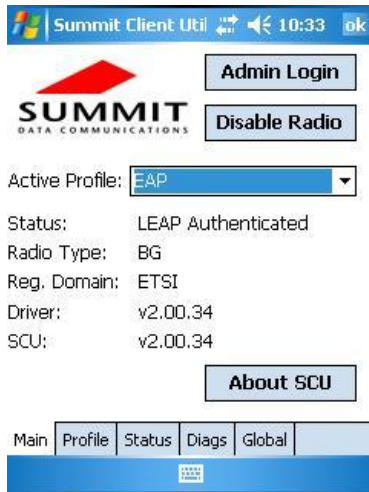
Hardware and Software: Features

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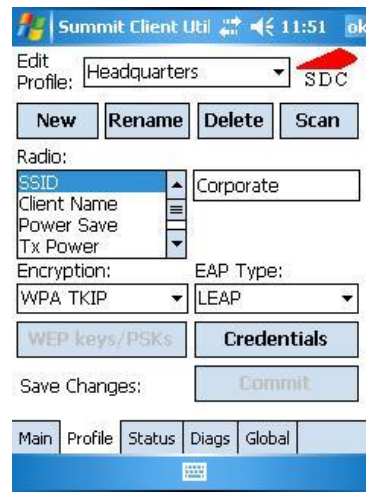
The Summit Client Utility

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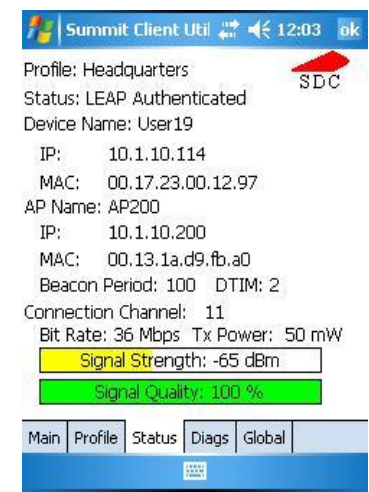
Main Window

- Connection Management Dashboard
- Administrator and User Modes



Profile Window

- Create and manage connection profiles
- Manage radio settings
- Manage security settings
 - 7 Authentication types with multiple credentials options
 - 6 Encryption Algorithms Supported



Status Window

- Displays client and infrastructure connection information
- Displays signal strength and quality

Summit Client Utility

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Summit Client Util 12:46 ok

Profile: Headquarters
IP Address: 10.1.30.218

SDC

(Re)connect Release/Renew

Stop Ping 10.1.30.200

Diagnostics Save To...

(11) 10.1.30.200 success 11 ms
(12) 10.1.30.200 success 11 ms
(13) 10.1.30.200 success 10 ms
(14) 10.1.30.200 success 8 ms
(15) 10.1.30.200 success 10 ms
(16) 10.1.30.200 success 10 ms

Main Profile Status Diags Global

Diagnostics Window

- Aids in troubleshooting
- Integrated ping utility
- Configuration dump utility

Global Settings Window

- Customize radio settings for optimal performance in specific environments
- 26 different radio parameters may be adjusted

Summit Client Util 7:22 ok

SDC

Property:	Value:
Roam Trigger	10 sec
Roam Delta	45 sec
Roam Period	40 sec
BG Channel Set	35 sec
DFS Channels	30 sec
Aggressive Scan	25 sec
CCX features	20 sec
WMM	15 sec
TX Diversity	10 sec
RX Diversity	5 sec
Frq Thresh	

Save Changes: Commit

Main Profile Status Diags Global

Summit Services

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- **Integration: Ensuring that a Summit solution works on your device**
 - Interactive hardware and software troubleshooting
- **Certifications**
 - Regulatory: Modular approvals and formal test reports
 - Wi-Fi Alliance and Cisco CCX certifications
- **Post-sales technical support**
 - Troubleshooting
 - Workarounds and advice
 - Timely maintenance



Quality Assurance

- **Performance and stress coverage including: rate vs. range, roaming, link reliability**
- **Interoperability testing with wireless infrastructure from all major suppliers**
- **Certification testing including: Regulatory, Wi-Fi Alliance, CCX**
- **All testing results tracked with Testopia**
- **Moving towards full automation for greater reliability, enhanced test coverage, and reduced test cycle time**


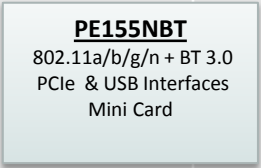


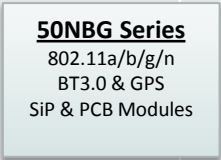

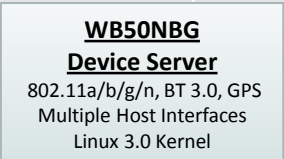
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- Company overview
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- **Roadmap**

Hardware Roadmap

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In Production	2011	2012				2013	
	Q4	Q1	Q2	Q3	Q4	Q1	Q2
 <p><u>PE15N</u> 802.11a/b/g/n PCIe Interface Mini Card</p>					 <p><u>PE155NBT</u> 802.11a/b/g/n + BT 3.0 PCIe & USB Interfaces Mini Card</p>		
 <p><u>30AG Series</u> 802.11a/b/g SDIO Interface SiP & PCB Modules</p>	 <p><u>40NBT Series</u> 802.11a/b/g/n Bluetooth 2.1 SDIO & UART Interface SiP & PCB Modules</p>			 <p><u>50NBG Series</u> 802.11a/b/g/n BT3.0 & GPS SiP & PCB Modules</p>			
	 <p><u>WB40NBT</u> <u>Device Server</u> 802.11a/b/g/n + BT 2.1 Multiple Host Interfaces Linux 3.0 Kernel</p>				 <p><u>WB50NBG</u> <u>Device Server</u> 802.11a/b/g/n, BT 3.0, GPS Multiple Host Interfaces Linux 3.0 Kernel</p>		

Software Roadmap

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In Production	2011	2012				2013	
	Q4	Q1	Q2	Q3	Q4	Q1	Q2
OS Support: Windows CE 6.0 Windows Mobile 6.5 Windows XP Embedded Windows 7	OS Support: Linux 2.6 Linux 3.0	Bluetooth Connection Manager	OS Support Android 4.0	802.11k 802.11r Integrated VPN & Sniffer	AP Mode		



SUMMIT

CONNECTED. *NO MATTER WHAT.*

Data Capture and Medical

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Different environments, similar wireless requirements

Requirements:

- **Stringent Security**
- **Harsh Environments**
- **Reliable Connectivity**
- **Enterprise wireless infrastructure**
- **Centralized management**

Hospital Devices that Run Windows

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- Handheld mobile computers
- Tablet computers
- Medical carts (computers on wheels)
 - When laptop is inside enclosure and lid is down, built-in Wi-Fi offers poor range
- Mobile cardiographs
- Infusion pump docking stations



Many medical devices:

- Do not run a version of Windows
- Were not designed to be networked

Summit vs. Competition

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Advantages

Extended RF range

Wide temperature range

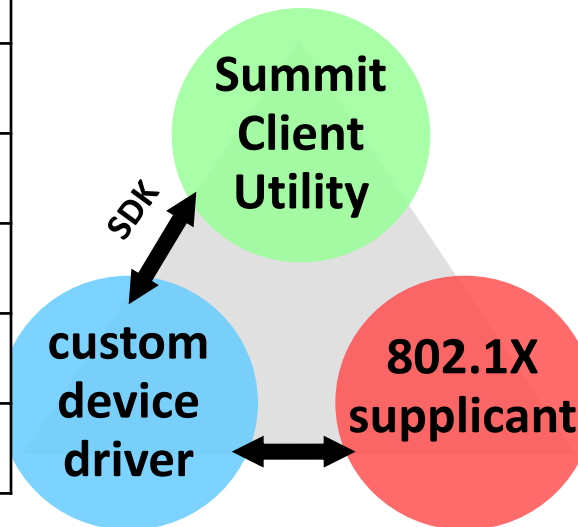
Enterprise-class security

Connectivity and roaming

CCX V4 certification

Enterprise management

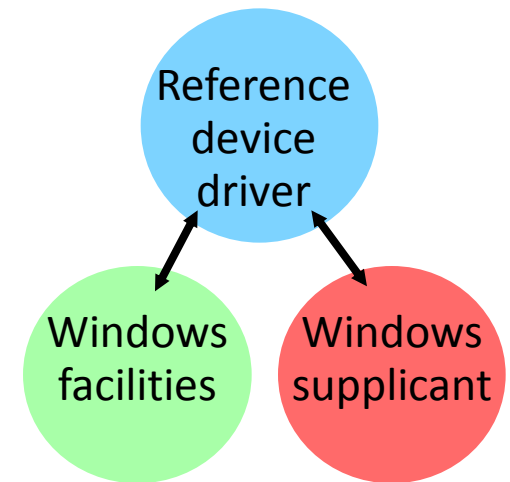
Summit Solution



Operating system

Industrial radio

Commodity Wi-Fi



Operating system

Consumer radio

Summit Product Advantages

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<i>Advantage</i>	<i>Benefit</i>	<i>Where?</i>
Extended RF range	Connectivity over long distances	HW
Wide temperature range	Operation in harsh environments	HW
Enterprise-class security	Data and network protection	SW
Connectivity and roaming	Smooth application operation	SW
CCX V4 certification	Certified operation with Cisco WLANs; support for Cisco innovations	SW
Enterprise management	Correct configuration, consistent mgmt.	SW