IEi. IoT Generation OS Support

For an enormous opportunity in the next generation, IoT could be the most popular trade. IEI can help customer to build up the business with reliable partners, Microsoft and Canonical for more powerful support. Customer can use Microsoft Windows 10, Canonical Snappy Ubuntu Core, or Android Brillo to complete the system connection in worldwide by smart IoT architecture with IEI solution.

Microsoft Windows 10 IoT

Windows 10 IoT will power a range of intelligent, connected IoT devices. From small devices like gateways and mobile point-of-sale to powerful industry devices like robotics and specialty medical devices, Windows 10 IoT offers a converged platform for devices with enterprise-grade security from the device to the cloud, and native connectivity for machine-to-machine and machine-to-cloud scenarios with Azure IoT Services.

One Windows Platform
Many different devices on Windows 10 IoT; One device management surface for all platforms

Industry Devices   **Mobile Devices**   **Small Devices**

One Windows 10 IoT Platform Technology
● MDM Stack and Servicing Stack Converged
● Common CSPs

Secure
Consistent and predictable device lockdown across form factors

Secure in Windows 10 IoT
Provide IoT devices with advanced lockdown capabilities for an extra layer of security as well as a predictable device experience.

Connected
Build wireless connected small devices with Windows 10 IoT solution

Mobile Broadband (data only)   **Wi-Fi**

Bluetooth/BLE   **Connection Management**

Connected for all your Windows 10 IoT
● Windows 10 IoT AllJoyn device network

$ Premium

Windows 10 IoT Enterprise

Windows 10 IoT Mobile Enterprise

Windows 10 IoT Core

Entry

Device Capabilities

Microsoft Version	Windows 10 IoT Core	Windows 10 IoT Mobile Enterprise	Windows 10 IoT Enterprise
Target Platform	x86 or ARM-based platform (no shell, universal windows apps and drivers)	ARM-based platform (modern shell, universal Windows apps and drivers)	x86 platform (desktop shell, universal Windows apps and drivers)
Minimum Requirement	256MB RAM / 2GB storage	512 MB RAM / 4GB storage	1GB RAM / 16GB storage

Snappy Ubuntu Core

Snappy Ubuntu Core is a new rendition of Ubuntu with transactional updates - a minimal server image with the same libraries as today's Ubuntu, but applications are provided through a simpler mechanism.

● Transactional updates with rollback
● Signatures and fingerprints ensure system is running exactly what was published by the developer
● The OS and application files are kept completely separate, as a set of distinct read-only images
● Small footprint

Android Brillo

From washing machines, air conditions, parking miter to kiosk, platforms which can support Android to organize the mess information and make all data accessible and useful can make the smart home, smart farm, and smart transportation application to become truth.

OS Support List (Windows/Linux)

	System Chipset	CE 6.0	Embedded Compact 7 CE 7.0	Embedded Compact 2013	2000	XP Pro	7	8.1	10	Server-2003	Server-2008	Server-2012	Linux Kernel
Skylake	Intel® C604						V			V	V	V	Linux Kernel 2.6.3x
	Intel® C236						V	V	V		V	V	Linux Kernel 4.0 (3.2)
	Intel® Q170						V	V	V				Linux Kernel 4.0 (3.2)
	Intel® H110						V	V	V				Linux Kernel 4.0 (3.2)
	Intel® QM170						V	V	V				Linux Kernel 4.0 (3.2)
	Intel® HM170						V	V	V				Linux Kernel 4.0 (3.2)
	Intel® Skylake ULT						V	V	V				Linux Kernel 4.0 (3.2)
	Intel® Broadwell-DE						V	V	V		V	V	Linux Kernel 3.16
	Intel® Broadwell ULT						V	V	V				Linux Kernel 3.17
Haswell	Intel® C226					V	V	V	V	V	V	V	Linux Kernel 3.x
	Intel® Q87					V	V	V	V				Linux Kernel 3.x
	Intel® H81					V	V	V	V				Linux Kernel 3.x
	Intel® QM87					V	V	V	V				Linux Kernel 3.x
	Intel® Haswell ULT						V	V	V				Linux Kernel 2.6.3x
Ivy Bridge	Intel® C216					V	V	V	V	V	V	V	Linux Kernel 2.6.3x
	Intel® Q77					V	V	V	V				Linux Kernel 2.6.3x
	Intel® QM77					V	V	V	V				Linux Kernel 2.6.3x
Sandy Bridge	Intel® C206					V	V	V		V	V	V	Linux Kernel 2.6.3x
	Intel® Q67	V				V	V	V					Linux Kernel 2.6.3x
	Intel® B65	V				V	V	V					Linux Kernel 2.6.3x
	Intel® H61	V				V	V	V					Linux Kernel 2.6.3x
	Intel® QM67	V				V	V	V					Linux Kernel 2.6.3x
	Intel® HM65	V				V	V	V					Linux Kernel 2.6.3x
Intel® Legacy	Intel® Q57					V	V						Linux Kernel 2.6.2x
	Intel® QM57					V	V						Linux Kernel 2.6.2x
	Intel® HM55					V	V						Linux Kernel 2.6.2x
	Intel® Q45 + ICH10-DO				V	V	V						Linux Kernel 2.6.2x
	Intel® G41 + ICH7/ICH7R/ICH10				V	V	V						Linux Kernel 2.6.2x
	Intel® GM45 + ICH9M				V	V	V						Linux Kernel 2.6.2x
	Intel® Q35 + ICH9DO				V	V	V						Linux Kernel 2.6.2x
	Intel® GLE960 + ICH8M				V	V	V						Linux Kernel 2.6.2x
	Intel® GME965 + ICH8M/ICH8M-E				V	V	V						Linux Kernel 2.6.2x
	Intel® 945G + ICH7				V	V	V						Linux Kernel 2.6.2x
	Intel® 945GME + ICH7M				V	V	V						Linux Kernel 2.6.2x
Intel® Atom™	Intel® Braswell N3000		V	V			V	V	V				Linux Kernel 3.14 Android 5.0
	Intel® Bay Trail J1900/N2930/N2807/E3800		V	V			V	V	V				Linux Kernel 3.12 Andriod 4.2 (32 bit) Android 4.4 (64 bit)
	Intel® D2550/N2600/N2800+ NM10	V				V	V						Linux Kernel 2.6.35
	Intel® D2550/N2600/N2800 + ICH10R	V				V	V						Linux Kernel 2.6.35
	Intel® D525/D425/N455/N425 + ICH8M	V				V	V						Linux Kernel 2.6.2x
	Intel® N270 + 945GSE + ICH7	V				V	V						Linux Kernel 2.6.2x
	Intel® US15W/US15WP					V	V						Linux Kernel 2.6.2x
AMD®	AMD® R-series + A75M					V	V	V					Linux Kernel 3.x
	AMD® G-series SoC (eKABINI & Steppe Eagle)	V	V	V		V	V	V	V				Linux Kernel 3.x
	AMD® Geode LX800 +CS5536					V							Linux Kernel 2.6.18