



Intel® Public Roadmap Desktop, Mobile & Data Center

H1' 2012

Expiration Q3, 2012

Contact: roadmaps@intel.com



Intel® Desktop Platform Public Roadmap

1H' 2012

Expiration Q3, 2012

Contact: roadmaps@intel.com

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Intel® Desktop Platform Roadmap: Consumer 1H'12

 Extreme	Intel® Core™ i7-3960X Extreme Edition Intel® X58 Express Chipset  <i>Turbo</i>
 Best	2nd Generation Intel® Core™ i7 Processor Intel® H67, Z68, and P67 Express Chipsets  <i>Turbo</i>
 Better	2nd Generation Intel® Core™ i5 Processor Intel® H67, Z68 and P67 Express Chipsets  <i>Turbo</i>
 Good	2nd Generation Intel® Core™ i3 Processor Intel® H67 and H61 Express Chipsets
 Legacy	Sandy Bridge Intel® H61 Express Chipset

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Intel® Desktop Platform Roadmap: Enterprise 1H'12

Best Intel® vPro™ Technology Intel® SIPP	  2nd generation Intel® Core™ i5 and Core™ i7 processors with Intel® vPro™ Technology AES-NI, Intel® HD Graphics 2000, and KVM* Intel® Q67 Express Chipset¹ Intel® Active Management Technology (AMT) 7.0 and SATA 6Gb/s Intel vPro Technology prior gen plus: Host Based configuration, ME FW roll back, optional wireless AMT functionality on desktop (WoDT), enhanced KVM resolution, Intel® Anti-Theft Technology 3.0 with S3 resume
Better Intel® SIPP	  2nd generation Intel® Core™ i5, and Core™ i7 processors with AES-NI and Intel® HD Graphics 2000 Intel® Q65 Express Chipset¹ with SATA 6Gb/s Intel® Standard Manageability (Dash 1.1 compliant) Intel® Anti-Theft Technology 3.0 available
Good	 2nd generation Intel® Core™ i3 processors Intel® B65 Express Chipset¹ with SATA 6Gb/s, PCI Legacy support, 4 DIMMS
Legacy	 Intel® Pentium® processors Intel® H61 Express Chipset

2011 SIPP eligible processors for Best and Better platforms are the same.

1. Not all Intel Core i5 processors are validated/supported with the Intel Q65, Q67, and B65 chipsets or eligible for Intel SIPP.

* Enhanced KVM includes 3 independent display and Portrait versus landscape control.

All products, computer systems, dates, and figures specified are preliminary based on current expectations, and are subject to change without notice.



Intel® Desktop Platforms Roadmap: Small Business 1H'12

Best

Intel® vPro™
Technology
Intel® SIPP



2nd generation Intel® Core™ i5 and Core™ i7 processors with Intel® vPro™ Technology
with AES-NI, Intel® HD Graphics 2000, and KVM*



Intel® Q67 Express Chipset¹

Intel® Active Management Technology (AMT) 7.0 and SATA 6Gb/s

Intel vPro Technology prior gen plus: Host Based configuration, ME FW roll back, optional wireless AMT functionality on desktop (WoDT), enhanced KVM resolution, Intel® Anti-Theft Technology 3.0 with S3 resume

Better



2nd generation Intel® Core™ i5 processors

Intel® B65 Express Chipset¹

with SATA 6Gb/s, PCI legacy support, 4 DIMMS

Good



2nd generation Intel® Core™ i3 processors

Intel® B65 Express Chipset

with SATA 6Gb/s, PCI legacy support, 4 DIMMS

Legacy



Intel® Pentium® Processors

Intel® H61 Express Chipsets

1. Not all Intel Core i5 processors are validated/supported with the Q67 and B65 Chipset or eligible for Intel SIPP

* Enhanced KVM includes 3 independent display and portrait versus landscape control



Intel® Mobile Platform Public Roadmap

H1' 2012

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- (Built-in Visuals) Available on the 2nd gen Intel® Core™ processor family. Includes Intel® HD Graphics, Intel® Quick Sync Video, Intel® Clear Video HD Technology, Intel® InTru™ 3D Technology, and Intel® Advanced Vector Extensions. Also optionally includes Intel® Wireless Display depending on whether enabled on a given system or not. Whether you will receive the benefits of built-in visuals depends upon the particular design of the PC you choose. Consult your PC manufacturer whether built-in visuals are enabled on your system. Learn more about built-in visuals at <http://www.intel.com/technology/visualtechnology/index.htm>.
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Consumer Mobile Platform Roadmap: 1 H'12

	2H'11	1H'12
 Extreme	Huron River 2nd generation Intel® Core™ i7 Extreme Edition processor Quad Core: i7-2920XM , i7-2960XM  Turbo 	Chief River 3rd Generation Intel® Core™ i7 Extreme Edition processor  Turbo 
	 Performance	2nd generation Intel® Core™ i7 and Core™ i5 processors Quad Core: i7-2820QM, i7-2860QM, i7-2720QM, i7-2760QM, i7-2630QM, i7-2635QM, i7-2670QM, i7-2675QM, Dual Core: i7-2620M, i7-2640M, i5-2540M, i5-2520M, i5-2410M, i5-2430M, i5-2450M, i7-2649M, i7-2629M, i7-2677M, i7-2637M, i5-2557M, i5-2467M, 2nd generation Intel® Core™ i3 processors Dual Core: i3-2310M, i3-2330M, i3-2350M, i3-2357M, i3-2367M Mobile Intel® 6 Series Chipset: QM67, QS67, HM67, UM67, HM65 Security: Intel® Anti-Theft Technology (AT) 3.0 Networking: Intel® Centrino® Ultimate-N / Advanced-N 6000 series wireless, Intel® Centrino® Advanced-N + WiMAX 6000 series wireless, Intel® Wireless Display ¹
 Pentium	Huron River Intel® Pentium® Processors B940, B950 , B960, 957, 967	Chief River Intel® Pentium® Processors B960, B970 , 977
	 Entry	Intel® Celeron® Processors B710, B800, B810, 787, 847, 857 Mobile Intel® 6 Series Chipset: QS67, HM67, HM65, UM67 Networking: Intel® Centrino® Wireless-N 1000 and N-100 series

(1) Requires a compatible Intel based laptop PC, a compatible TV adapter featuring Intel® Wireless Display, and a TV with an available HDMI or Composite AV input. For a complete list of requirements, visit www.intel.com/go/wirelessdisplay.



Business Mobile Platforms Roadmap: 1H'12

1H'12

Huron River

Intel® SIPP 2011 platforms

2nd generation Intel® Core™ i7 Extreme Edition and Intel® Core™ i7 with vPro™ technology with Intel® Turbo Boost Technology 2.0 and Intel® HD Graphics 3000

Security & Manageability: KVM¹ and AES-NI

Intel® Core™ i7-2960XM, i7-2860QM, i7-2760QM processors

Workstation



Best



2nd generation Intel® Core™ i7 and Core™ i5 processors with vPro™ technology with Intel® Turbo Boost Technology 2.0 and Intel® HD Graphics 3000

Intel® Core™ i7-2620M, i5-2540M, i5-2520M processors

Mobile Intel® QM67², QS67 Express Chipsets

Security & Manageability:

Intel® vPro™ technology prior gen plus: (AMT 7.0) Host Base Configuration, ME Firmware Roll-back, Enhanced KVM resolution¹, and Intel® Anti-Theft Technology 3.0 with S3 resume

Networking:

Intel® Centrino® Advanced-N + WiMAX 6250
Intel® Centrino® Ultimate-N / Advanced-N 6300/6230/6205
Intel® 82579LM Gigabit Network Connection

Chief River

Intel® SIPP 2012 platforms

3rd Generation Intel® Core™ i7 Extreme Edition and Intel® Core™ i7 with vPro™ technology

3rd Generation Intel® Core™ i7 and Core™ i5 Processors with Intel® vPro™ Technology

Mobile Intel® 7 Series Express Chipsets with USB 3.0

Networking: Intel® Centrino® Advanced-N 6205, Intel® Centrino® Advanced-N 6235, Intel® Centrino® Advanced-N + WiMAX 6250, Intel® Centrino® Ultimate-N 6300, Intel® 82579LM Gigabit Network Connection

Better



2nd generation Intel® Core™ i7 and Core™ i5 processors
Mobile Intel® HM67 Express Chipsets

Intel® Core™ i7-2620M, i5-2540M, i5-2520M processors

Security: Intel® Anti-Theft Technology 3.0

Networking:

Intel® Centrino® Advanced-N + WiMAX 6250
Intel® Centrino® Ultimate-N / Advanced-N 6300/6230/6205
Intel® 82579V Gigabit Network Connection

3rd Generation Intel® Core™ i7 and Core™ i5 Processors

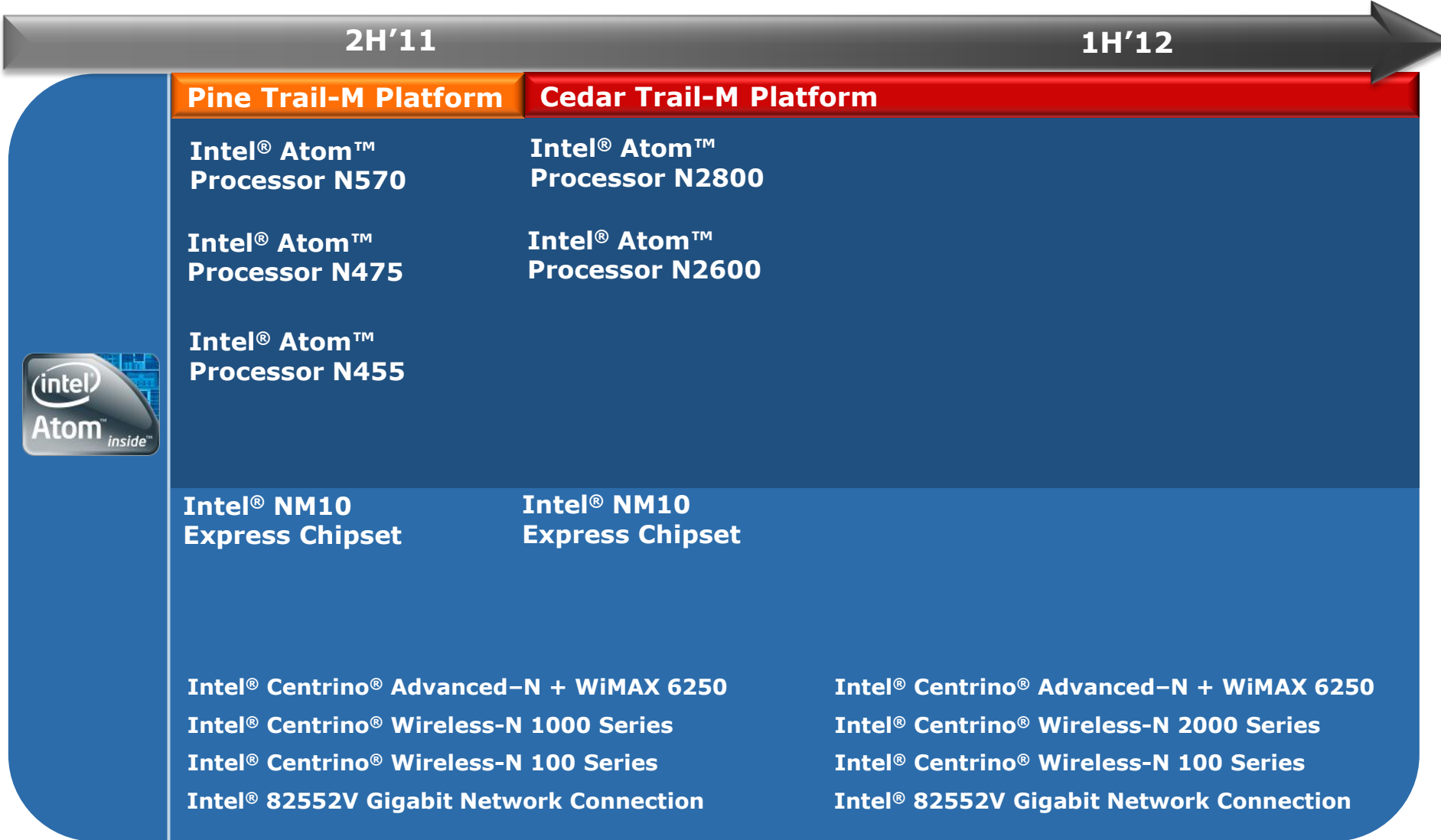
Mobile Intel® 7 Series Express Chipsets¹ with USB 3.0

Networking: WLAN same as "Best", Intel® 82579V Gigabit Network Connection

Note 1: KVM only supports processor graphics
Note 2: QM67 chipset applies to both Workstation and Best Business Platforms



Netbook Platforms: 1H'12



Tablet Platforms: 1H'12

2H'11

1H'12

Oak Trail¹ Platform

Intel® Atom™
Processor Z670

Intel® SM35
Express Chipset



Medfield¹ Platform

Intel® Atom™
Processor
Z2610

¹ Intel is not supporting new Oak Trail or Medfield tablet platform designs. ² Schedule dependent on stable platform and drivers. ³ Only available to customers who have a license from Google for Android Honeycomb. * Other names and brands may be claimed as the property of others





Intel® Datacenter and Connected Systems Group (DCSG) Public Roadmap

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- Intel® Hyper-Threading Technology requires a computer system with a processor supporting HT Technology and an HT Technology-enabled chipset, BIOS and operating system. Performance will vary depending on the specific hardware and software you use. For more information including details on which processors support HT Technology, see [here](#).
- Intel Virtualization Technology requires a computer system with a processor, chipset, BIOS, virtual machine monitor (VMM) and applications enabled for virtualization technology. Functionality, performance or other virtualization technology benefits will vary depending on hardware and software configurations. Virtualization technology-enabled BIOS and VMM applications are currently in development.
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Risk Factors

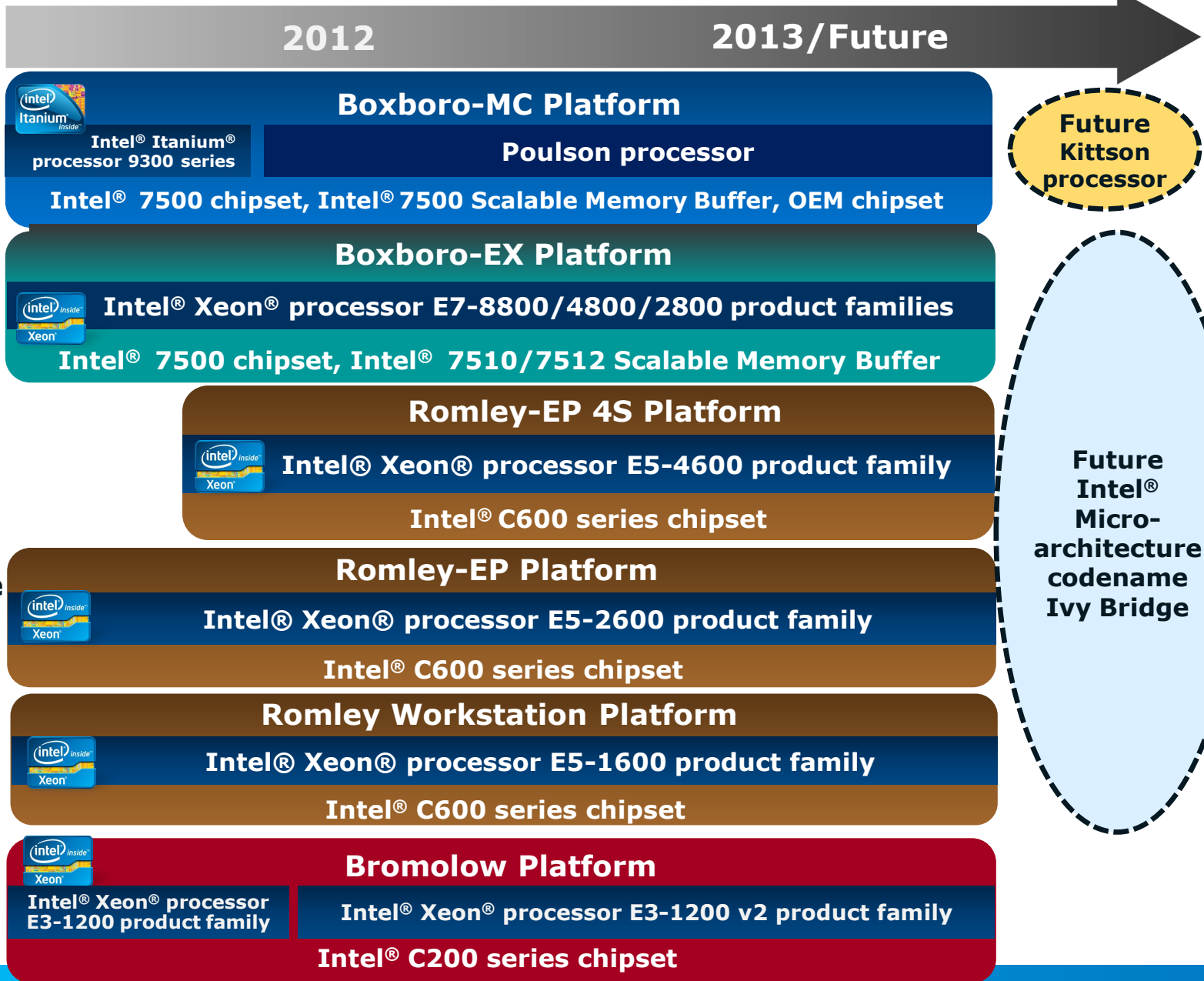
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Intel® Datacenter and Connected Systems Group (DCSG) Public Roadmap

Mission Critical



Future Kittson processor

Future Intel® Micro-architecture codename Ivy Bridge



Mission Critical Platform Roadmap: Itanium

2012

2013/Future

Boxboro-MC Platform

Intel® Itanium® processor 9300 series

Poulson processor

**Future
Kittson
processor**

Intel® 7500 chipset, Intel® 7500 Scalable Memory Buffer, OEM chipset



Technologies

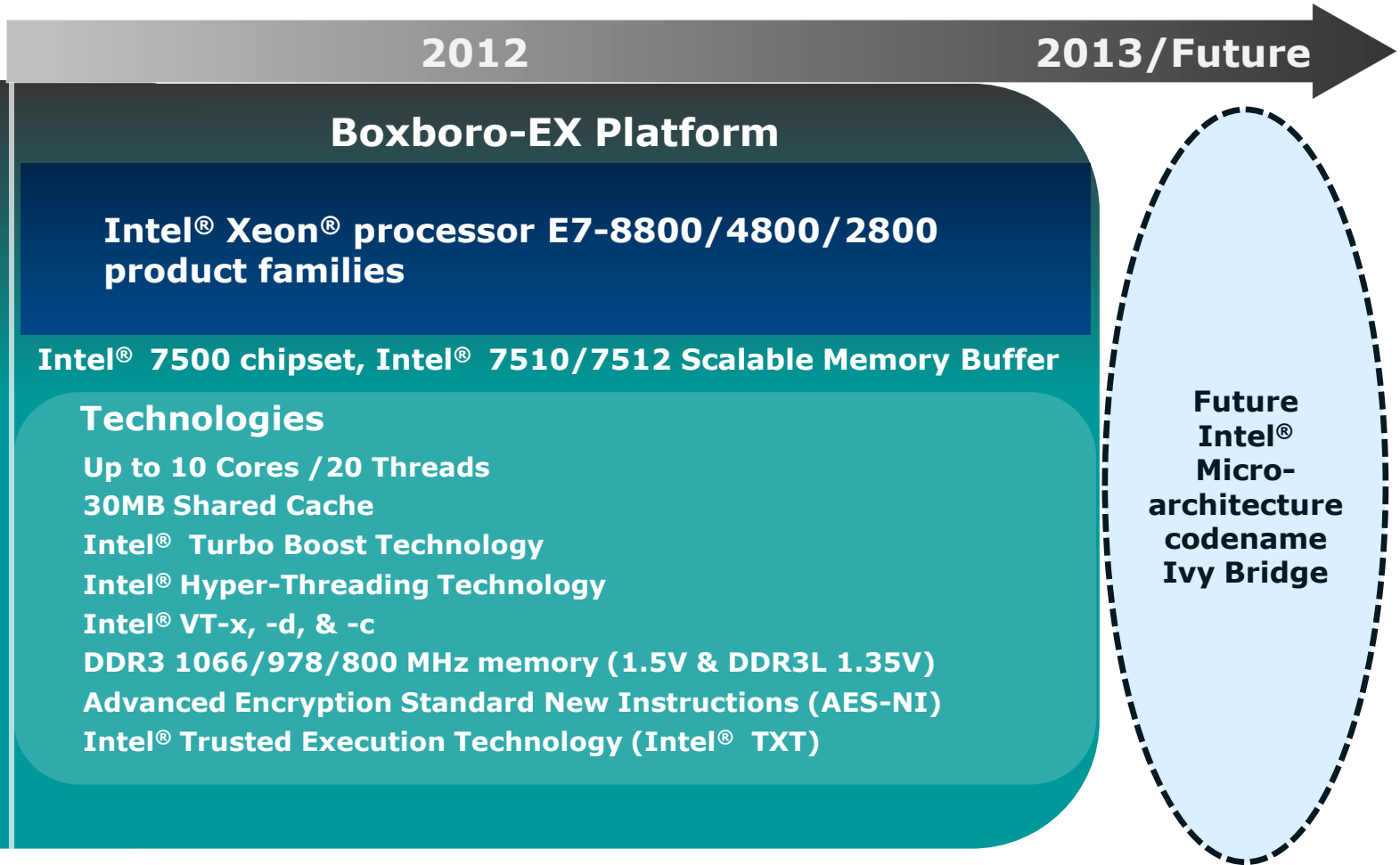
Quad-Core, 30MB Total On-Die Cache
Intel® Hyper-Threading Technology
Intel® Turbo Boost Technology
Intel® VT-i, -d
Enhanced Demand Based Switching
8-Socket Glueless Support
Advanced RAS
Common platform ingredients w/ Intel® Xeon® processor E7-8800/4800/2800 product families
Intel® 7500 chipset
Intel® 7500 Scalable Memory Buffer

Additional New Technologies

8-Core, 54MB Total On-Die Cache
New architecture with 12-wide Instruction Throughput
Compatible with Itanium® processor 9300 series platforms
Intel® Instruction Replay Technology
Intel® Hyper-Threading Technology, enhanced with dual-domain multi-threading support
Itanium® New Instructions

---- In Planning

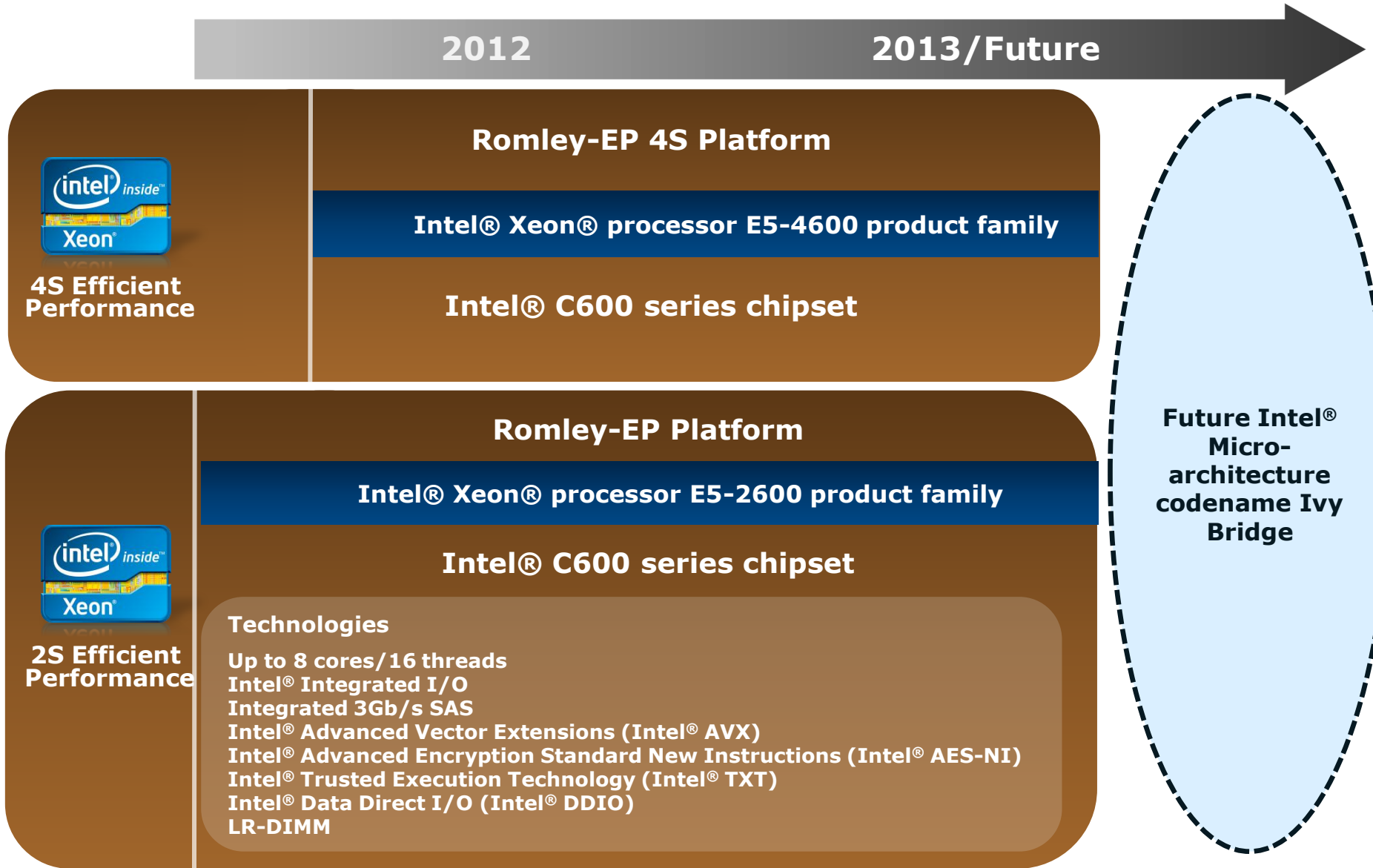
Mission Critical Platform Roadmap: Expandable



Expandable



Efficient Performance Server Platforms Roadmap



Entry Server Platforms Roadmap

2012

2013

Bromolow Platform

**Intel® Xeon®
processor E3-
1200 product
family**

Intel® Xeon® processor E3-1200 v2 product family

Intel® C200 series chipset

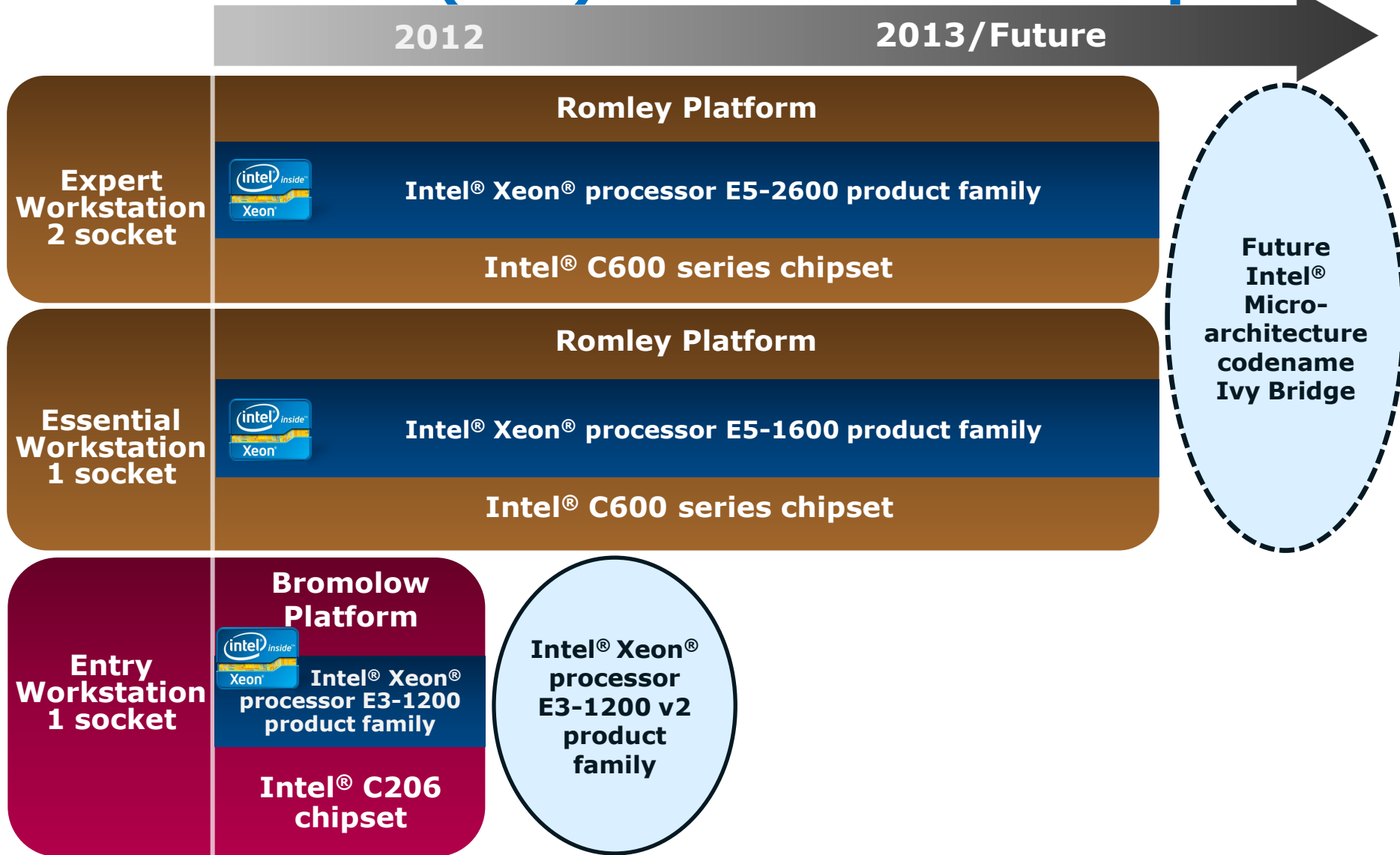
Technologies

Up to 4 cores/8 threads, Up to 8MB of cache, ECC Memory Support, Intel® Active Management Technology (Intel® AMT), Intel® HD Graphics, Intel® Turbo Boost 2.0 Technology, Intel® Trusted Execution Technology (Intel® TXT), Intel® Advanced Encryption Standard New Instructions (Intel® AES-NI), Intel® VT-x & VT-d



**Entry
1 socket**

Workstation (WS) Platform Roadmap



Future Intel® Micro-architecture codename Ivy Bridge

Intel® Xeon® processor E3-1200 v2 product family

