7TH GEN INTEL® CORE™ vPRO™ PROCESSOR BRIEFING
# The Digital Workplace

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THE DIGITAL WORKPLACE

Workplace Transformation

Productivity

Security

Manageability
WORKPLACE TRENDS

“By 2020, millennials and Gen Z will form >50% of the global workforce.”
—PricewaterhouseCoopers, 2011

“Millennials in particular are more likely to quit a job with substandard technology.”
—Dell & Intel Future Workforce Study Global Report, 2016

“Enterprise adoption of Windows 10 will soar by 2017”
—InformationWeek, 2015

“50-60% of the time, employees of Fortune 1000 companies around the globe are not at their desks”
—GlobalWorkplaceAnalytics.com, 2016

“HALF of global employees currently work remotely at least a few times a week…”
—Dell & Intel Future Workforce Study Global Report, 2016

“In 93% of cases, it took attackers minutes or less to compromise systems.”
—2016 Verizon Data Breach Investigations Report
THE DIGITAL WORKPLACE

Workplace Transformation

Productivity

Security

Manageability
ANNOUNCING 7TH GEN INTEL® CORE™ vPRO™ – BUILT FOR BUSINESS

Advanced innovation across the areas IT pros care about

- Best-in-class performance
- Record range of business designs
- New security advancements
- Delivers the best experience on Windows* 10
- New manageability tool
NEW GENERATION OF BUSINESS PRODUCTIVITY

- Up to 65% faster multitasking
- Up to 50% better productivity
- Up to 10 hours of battery life

LEAPS AHEAD IN PERFORMANCE COMPARED TO A 5 YEAR OLD PC

Software and workloads used in performance tests may have been optimized for performance only on Intel microprocessors. Performance tests, such as SYSmark and MobileMark, are measured using specific computer systems, components, software, operations and functions. Any change to any of those factors may cause the results to vary. You should consult other information and performance tests to assist you in fully evaluating your contemplated purchases, including the performance of that product when combined with other products. For more complete information about performance and benchmark results, visit http://www.intel.com/benchmarks
BROADEST RANGE OF BUSINESS DESIGNS

Record 7th Gen Intel® Core™ vPro™ processor-based designs

- More than 80 vPro business notebook designs
- 24 new 2in1 vPro designs
- 24 new vPro business desktop designs

90% of businesses run on computers powered by Intel¹

¹Source: Internal studies by Mercury Research, Inc. – PC processors and chip sets, Updated version 1Q2016; and IDC – WW Quarterly PC Tracker, 2016Q2 Historical Release
Get premium performance, security and manageability with Windows® 10 on the latest 7th Gen Intel® Core™ vPro™ for a better way to work.
THE DIGITAL WORKPLACE

Workplace Transformation

Productivity

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Manageability
AS THE WORKPLACE HAS TRANSFORMED SO HAVE THREATS

90% of incidents result from exploits in software

>60% Breaches involving identity

$5–15.6M Cost per breach

$2.9B 2015 damage to business & brand

$6T Cybercrime damage by 2021

1 Verizon 2015 Data Breach Report
2 ITRC 2015 Data Breach Survey
3 Cybersecurity venture
4 US Department of Homeland Security
ANNOUNCING INTEL® AUTHENTICATE GENERAL AVAILABILITY

Industry’s first hardware enhanced multifactor authentication solution
INTEL® AUTHENTICATE - HOW IT WORKS

Only solution to enable multiple factors of authentication
NEW INTEL & MICROSOFT CO-DEVELOPMENT STRATEGY

Design and co-development strategy will integrate Windows* Hello and Intel Authenticate

• Co-design and development strategy will bring to market one solution across hardware and software to help solve cyber security threats

• Enterprises should upgrade today to new Windows* 10 and 7th gen Intel® Core™ vPro™ processor based devices to take advantage of future capabilities
Hardened IT-controlled file protection at point of creation and throughout its life cycle

Hardware Protected Encryption

Hardened document encryption and key management using Intel® SGX and Intel® IPT-PKI

Persistent Protection

Protection and permissions travel with the document – On the PC, USB drive, or in the Cloud

IT Managed

Policies Managed and deployed with existing IT tools

Supported on 6th & 7th Gen Intel® Core™ vPro™ platforms
Available for trials in Q1’17
THE DIGITAL WORKPLACE

Workplace Transformation

Productivity

Security

Manageability

Productivity

Security

Manageability
POWERING A MODERN MANAGEMENT EXPERIENCE

Introducing Intel® Manageability Commander to increase PC uptime and lower costs

Easily discover, diagnose and manage Intel® AMT PCs remotely

Keyboard-video-mouse management capabilities for seamless remediation

Integrates with common management tools like Microsoft System Center

OS imaging with Intel® AMT results in a 34% cost savings¹

Projected ROI Intel® AMT activation:
- Desk-side visit²: $187
- Out of band remote repair via Intel® AMT: $60

¹ Gartner Benchmarking Hardware Supports Costs, December 2013
² Data sources: 2014 CompuCom whitepaper, vPro IT customer data; "Gartner Benchmarking Hardware Supports Costs, December 2013"
New 7th Gen Intel® Core™ vPro™ processor signifies the most advanced set of capabilities based on what IT pros care about—security, productivity and manageability.

7th Gen Intel® Core™ vPro™ and Windows 10 marries performance with user experience for ultimate PC experience to power a modern workforce.

Intel is raising the bar in enterprise protection with Intel® Authenticate and Intel® Data Guard.
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For more complete information about performance and benchmark results, visit http://www.intel.com/benchmarks
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**7th Generation Performance Measurements and Battery Life Projections:**

Intel® Core™ i5-7300U Processor, PL1=15W TDP, 2C4T, Turbo up to 3.5GHz, Memory: 2x4GB DDR4-2133, Storage: Intel® SSD 535 Series, Display Resolution: 1920x1080. Intel HD Graphics 620, OS: Windows® 10

**Intel® SSD Pro Series Measurements:**

Intel® Core™ i5-7300U Processor, PL1=15W TDP, 2C4T, Turbo up to 3.5GHz, Memory: 2x4GB DDR4-2133, Storage: Intel® SSD Pro 6000p Series, Display Resolution: 1920x1080. Intel HD Graphics 620, OS: Windows® 10

**Refresh Comparison Measurements:**

Intel® Core™ i5-2450M Processor (2.6 GHz base, up to 3.1GHz 2C4T, 35W TDP) measured on Lenovo® T420s, RAM: 4GB DDR3, Storage: 500GB HDD, Display: 14" 1600x900 resolution, Battery: 43WHR, OS: Windows® 7

Battery life and performance measurements on Intel Reference Platform

Intel Reference Platform is an example new system. Products available from systems manufacturers will not be identical in design, and performance will vary.

Workload descriptions

Up to 65% FASTER MULTITASKING than a 5-year-old PC.
As measured by SEG562, which is an office productivity and multitasking workload using Word (save to PDF), Excel (recalc), PowerPoint (slide sort), and NXPowerLite Desktop (to shrink contents with office documents, kind of like compression), all while playing video in the background (simulating the watching of a business training or webcast).

As much as 50% BETTER PRODUCTIVITY than a 5-year-old PC.
As measured by the overall score of SYSmark* 2014, which is a benchmark from the BAPCo* consortium that measures the performance of Windows* platforms. SYSmark tests three usage scenarios, including office productivity, media creation and data/financial analysis using real applications from independent software vendors such as Microsoft* and Adobe*.

Up to 10 HOURS of BATTERY LIFE for the whole work day.
As measured by Windows 10* EEMBC Browsing Bench Component Average Power.