



7TH GEN INTEL® CORE™ vPRO™ PROCESSOR BRIEFING



THE DIGITAL WORKPLACE

Workplace Transformation



Productivity



Security



Manageability

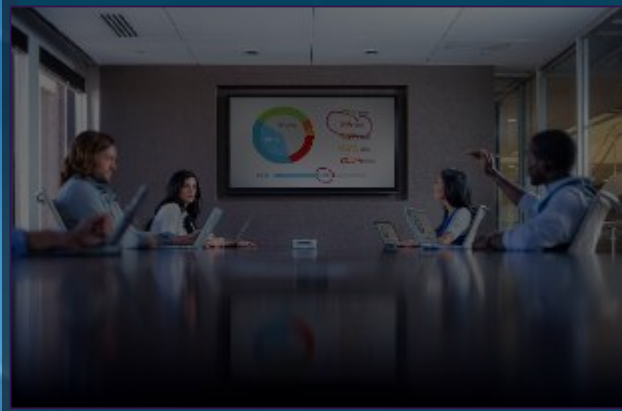


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WORKPLACE TRENDS

“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”
–InformaitonWeek, 2015

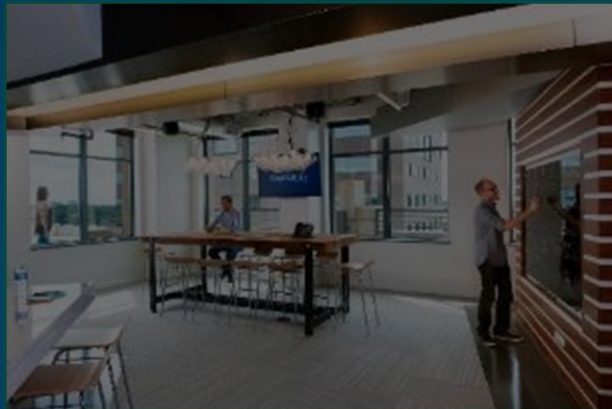
50-60% of the time, employees of Fortune 1000 companies around the globe are not at their desks
–GlobalWorkplaceAnalytics.com, 2016

“**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

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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



90% of businesses run on computers powered by Intel¹

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



¹Source: Internal studies by Mercury Research, Inc. – PC processors and chip sets, Updated version 1Q2016; and IDC – WW Quarterly PC Tracker, 2016Q2 Historical Release

WINDOWS*10 RUNS BEST ON 7TH GEN INTEL® CORE™ vPRO™

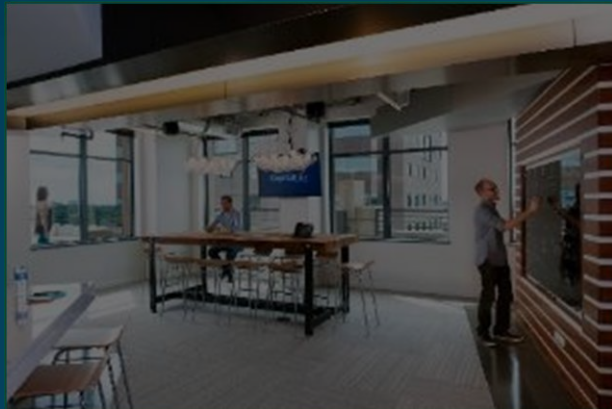
New Experiences Transform the World of Work

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

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AS THE WORKPLACE HAS TRANSFORMED SO HAVE THREATS

90% of incidents result from exploits in software⁴



>60%

Breaches involving identity¹



\$5-15.6M

Cost per breach¹



\$2.9B

2015 damage to business & brand²



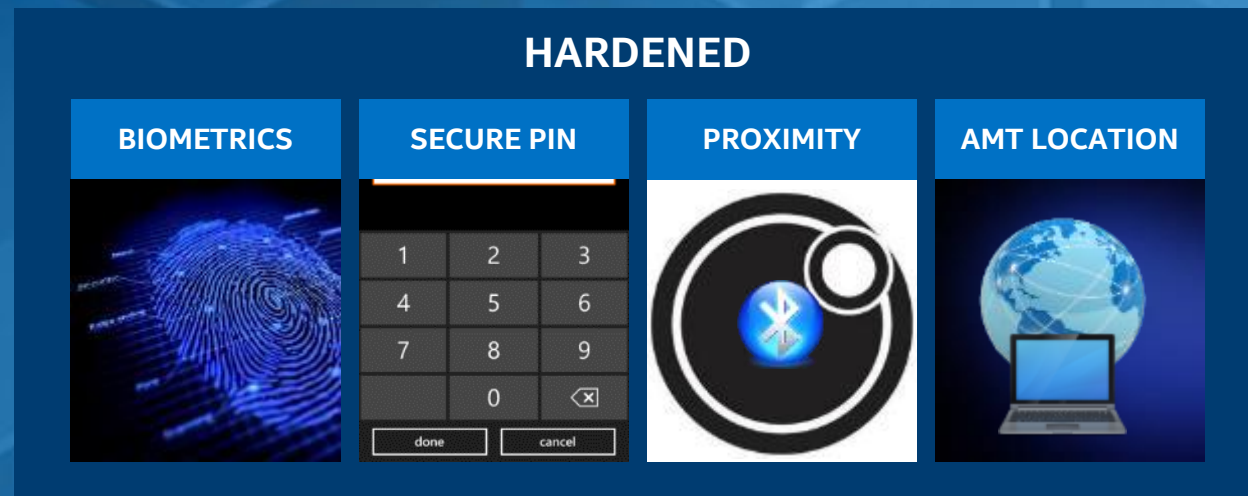
\$6T

Cybercrime damage by 2021³

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

AUTHENTICATION FACTORS



Protected →



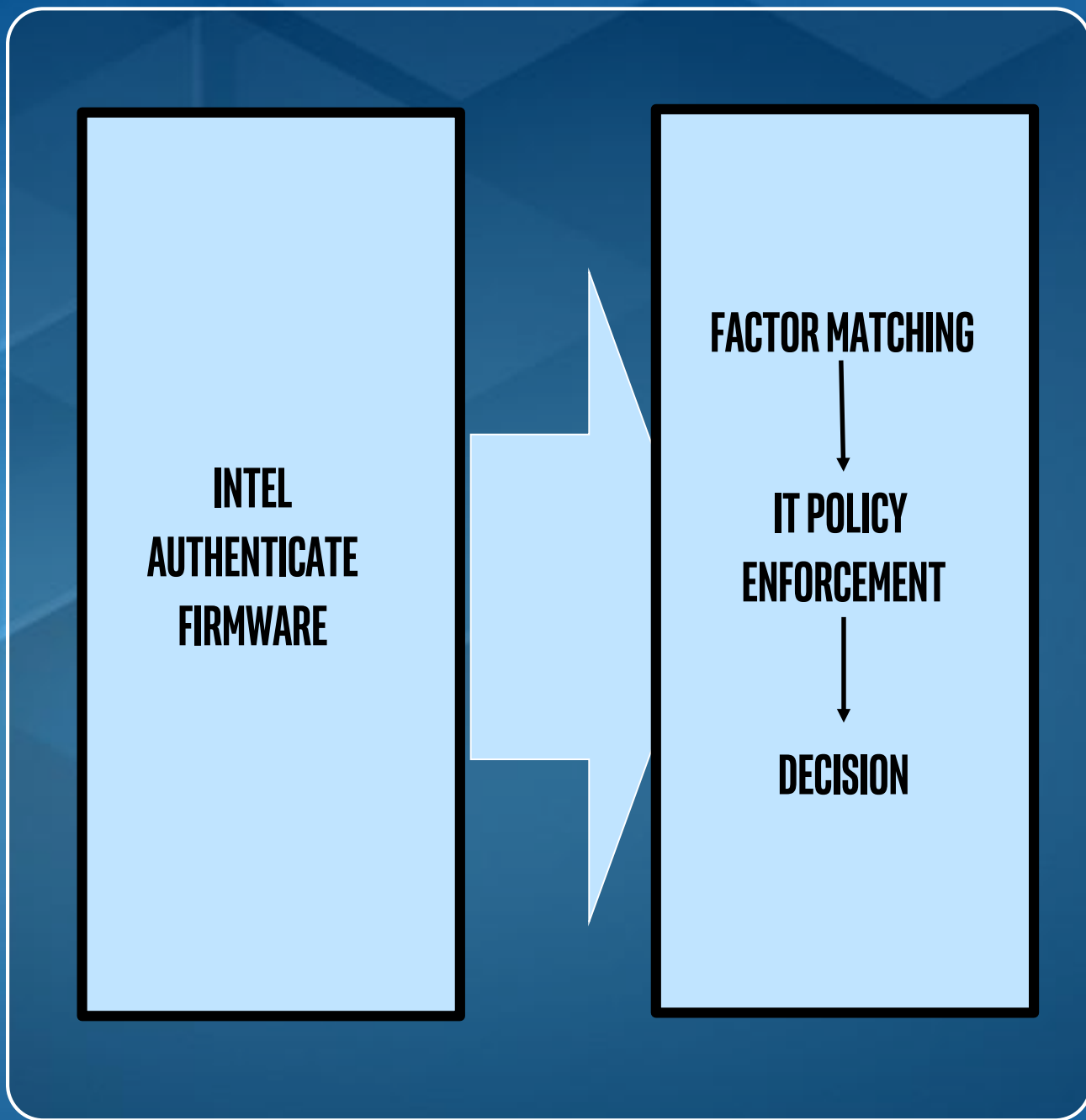
Protected →



Protected →



Protected →



**ACCESS
GRANTED**

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



Intel®
Authenticate

INTEL® DATA GUARD

Hardened IT-controlled file protection at point of creation and throughout its life cycle



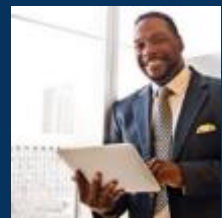
Hardware Protected Encryption

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



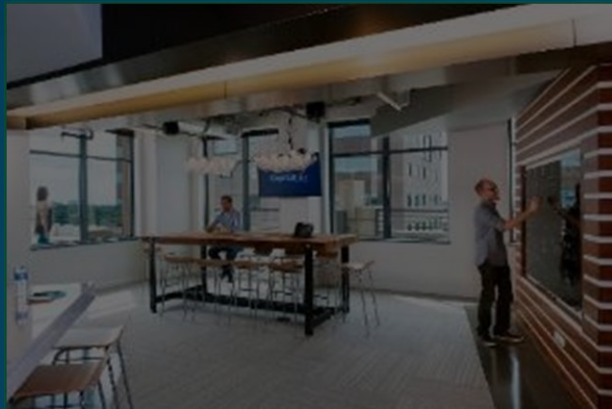
IT Managed

Policies Managed and deployed with existing IT tools

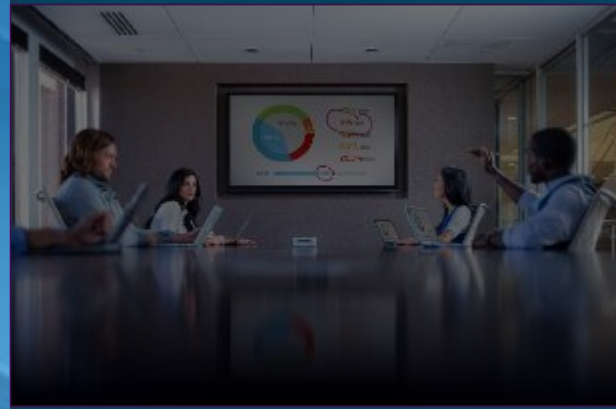
Supported on 6th & 7th Gen Intel® Core™ vPro™ platforms
Available for trials in Q1'17

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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**

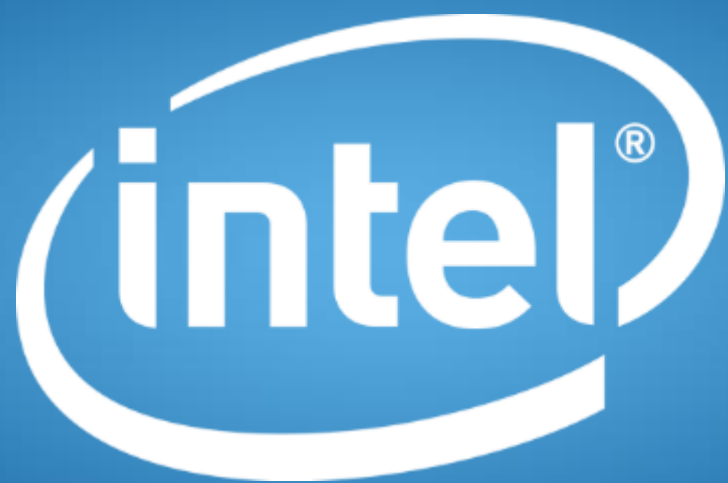
1. Gartner Benchmarking Hardware Supports Costs, December 2013
2. Data sources: 2014 CompuCom whitepaper, vPro IT customer data, "Gartner Benchmarking Hardware Supports Costs, December 2013"

SUMMARY

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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Intel is a sponsor and member of the BenchmarkXPRT Development Community, and was the major developer of the XPRT family of benchmarks. Principled Technologies is the publisher of the XPRT family of benchmarks. You should consult other information and performance tests to assist you in fully evaluating your contemplated purchases.

For more complete information about performance and benchmark results, visit <http://www.intel.com/benchmarks>

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SYSTEM CONFIGURATIONS

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.

System power management policy: DC balanced for battery life measurements, AC balanced for performance measurements on 2nd Generation system and AC High Performance on 7th and 6th Generation systems. Wireless: On and connected.

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.