



# Transition to 10<sup>th</sup> Gen Intel<sup>®</sup> Core<sup>™</sup> vPro<sup>®</sup>

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# The Intel® vPro® Platform

## Increasing productivity through CPU performance



PCs are doing more and more:

### Primary Tasks



Email



Videoconferencing



Collaboration



Messaging



Streaming content



Creating Content

### Background Tasks



Firewall



Anti-virus



Anti-malware



File backup



Encryption



Network access



Intel vPro Platform includes high-performance Intel® Core™ vPro® processors to help employees stay productive



vs



### 10<sup>th</sup> Gen Intel® Core™ vPro® Processors Sample performance gains versus 3-year-old PC

up to **40% better**  
overall application  
performance<sup>1</sup>

up to **35% faster**  
office multitasking<sup>2</sup>

up to **27% better**  
web browsing<sup>3</sup>

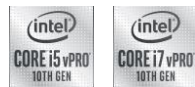
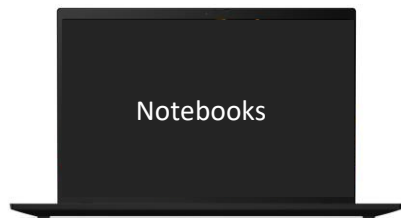
up to **36% better**  
office productivity<sup>4</sup>

For more complete information about performance and benchmark results, visit [www.intel.com/benchmarks](http://www.intel.com/benchmarks).

1. As measured by SYSmark 2018 Overall Score on pre-production 10<sup>th</sup> Gen Intel® Core™ i7-10810U vs. 8/15/19 testing of 7<sup>th</sup> Gen Intel® Core™ i7-7600U
2. As measured by webXPRT3 Score on pre-production 10<sup>th</sup> Gen Intel® Core™ i7-10810U vs. 7<sup>th</sup> Gen Intel® Core™ i7-7600U
3. As measured by Office 365 Multi-threaded Workload on pre-production 10<sup>th</sup> Gen Intel® Core™ i7-10810U vs. 7<sup>th</sup> Gen Intel® Core™ i7-7600U
4. As measured by SYSmark 2018 Productivity Subtest Score on pre-production 10<sup>th</sup> Gen Intel® Core™ i7-10810U vs. 8/15/19 testing of 7<sup>th</sup> Gen Intel® Core™ i7-7600U

# 10<sup>th</sup> Gen Intel® Core™ vPro® Processors

## Business-class performance across multiple form factors



Up to 6 cores  
U-Series



Up to 8 cores  
H-Series



Up to 10 cores  
S-Series

all supporting:

**USB 3.1 Gen 2**  
(10 Gbps)

**Thunderbolt™ 3**  
(40 Gbps)

**Intel® Optane™ Memory H10 with SSD**

**Wi-Fi 6**  
(802.11ax)

**Bluetooth 5**

Up to three 4K displays with  
High Dynamic Range (HDR)

**Intel vPro® Platform**

including:  
Intel® Hardware Shield  
Intel® Active Management Technology  
Intel® Transparent Supply Chain

# THE INTEL vPRO® PLATFORM

## BUSINESS-CLASS PERFORMANCE



Increase productivity & improve the employee experience wherever work happens



## MODERN MANAGEABILITY FOR IT



Help reduce support costs with remote manageability that works:

- On wired and wireless networks
- Inside the firewall and outside
- On notebooks, laptops, and workstations
- And is supported in tools including Microsoft SCCM

## A BUILT-IN, MORE SECURE FOUNDATION



Protect: Help reduce the attack surface & protect data

Detect: Help discover the attack quickly & limit the spread

Recover: Help reimagine quickly and use data to improve security moving forward



## PC FLEET STABILITY



Minimize computing disruptions with stable, validated platforms.

Keep systems running smoothly and avoid problems through reliable updates.

## Help IT better support increased teleworking

### IT must support devices that:

- Are inside the firewall
- Are outside the firewall
- Are connected via WiFi
- Are connected via wired Ethernet
- Have a healthy OS
- Have an inoperable OS

### Intel® Active Management Technology

Cloud-based management inside and outside the firewall

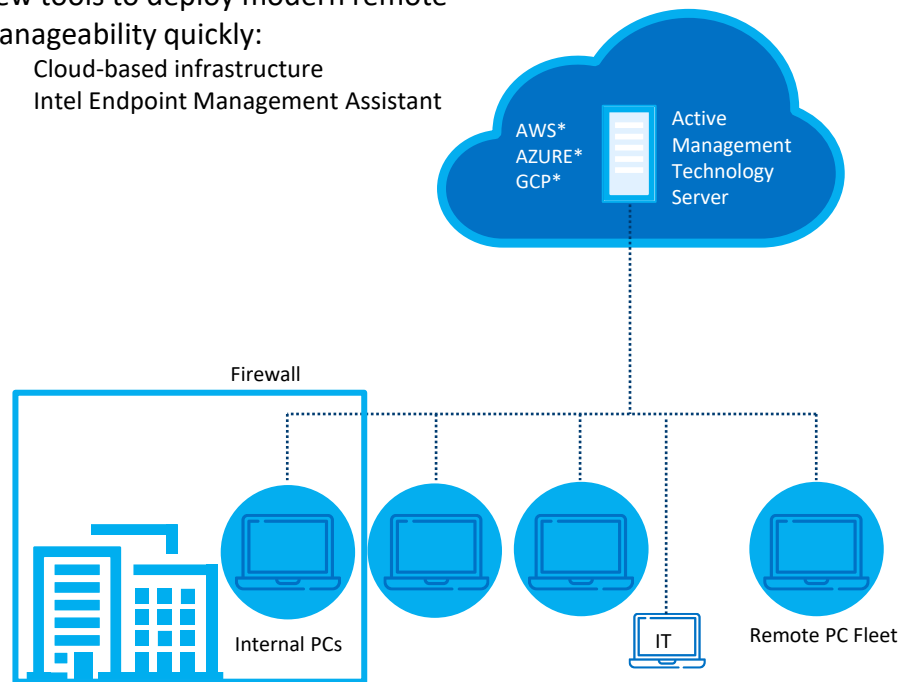
Hardware-based management that works over Wi-Fi and wired Ethernet, whether the OS is operating or not

Allowing IT to:

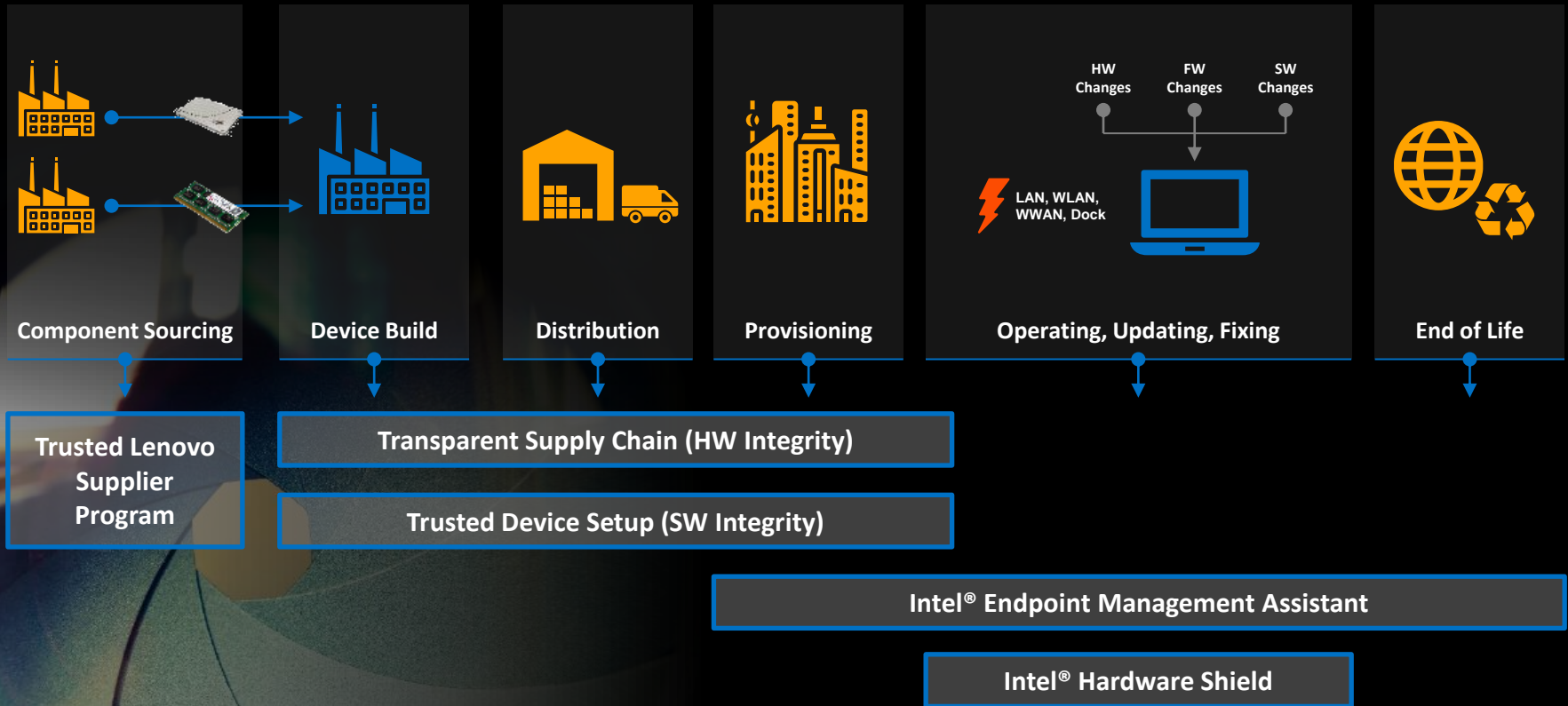
- Remotely remediate inoperable PCs
- Remotely assist with OS & security updates

### New tools to deploy modern remote manageability quickly:

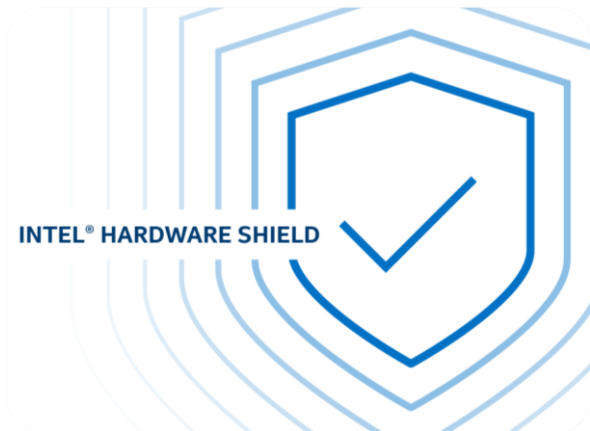
- Cloud-based infrastructure
- Intel Endpoint Management Assistant



# Lenovo + Intel End to End Security



# Protection with Intel® Hardware shield



**Help protect corporate assets and data with built-in security features at the hardware level**



**Advanced threat detection with hardware acceleration for uncompromised productivity**



**Helps prevent malicious software injection by locking down system critical resources**



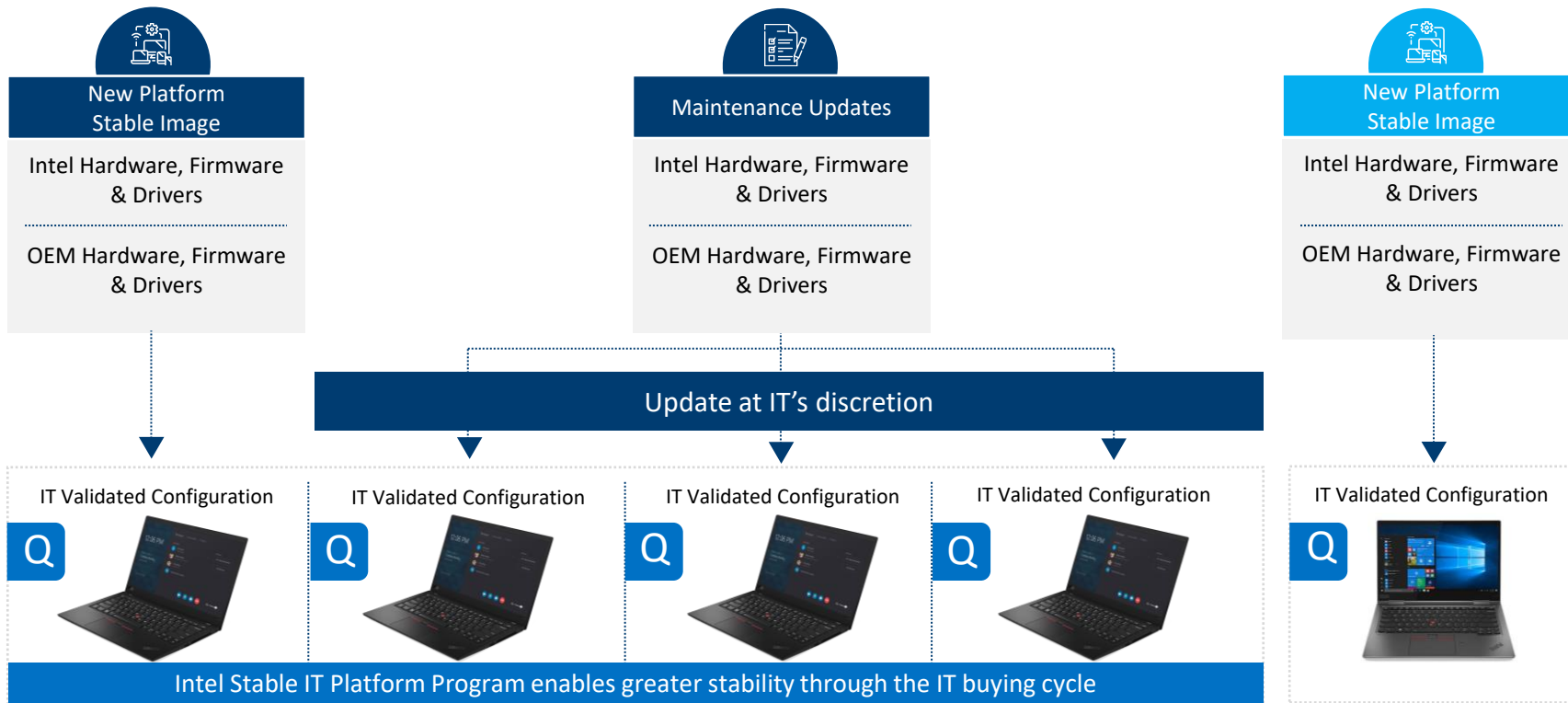
**Helps dynamically ensure OS and virtual environment are running directly on Intel® Hardware**



**Unique OS visibility of how BIOS is using hardware**

No computer system, product or component can provide absolute security under all conditions. Built-in security features available on select Intel® Core™ processors may require additional software, hardware, services and/or an Internet connection. Results may vary depending upon configuration. Consult your PC manufacturer for more details.

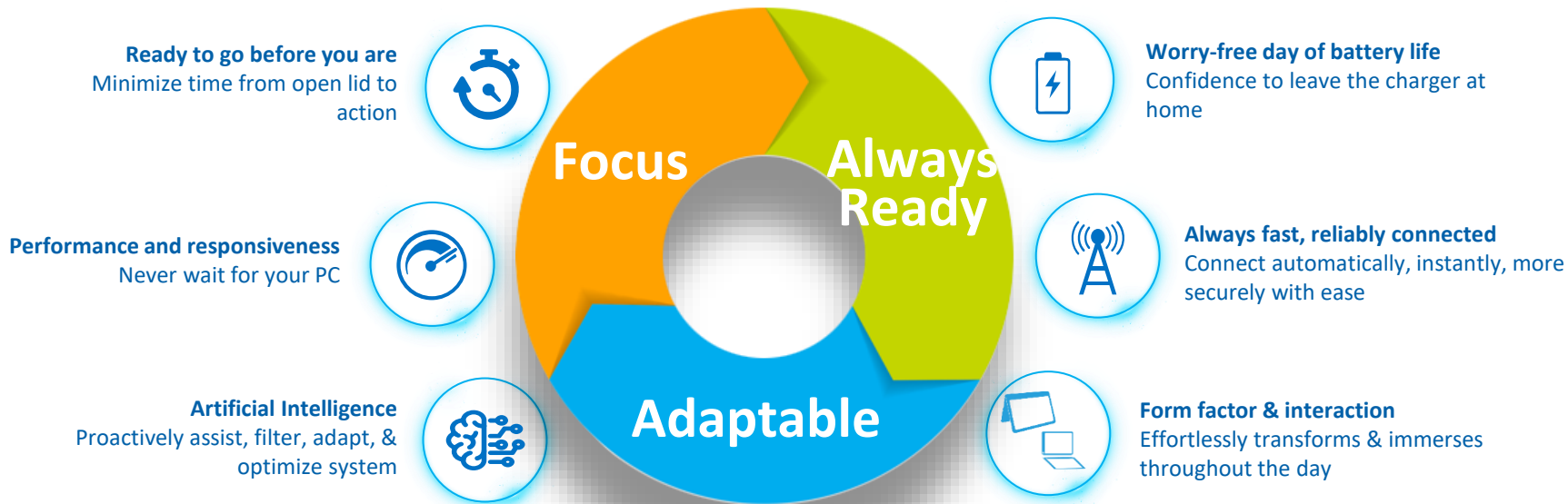
## Improve TCO through driver and firmware consistency





# Project Athena

## Key Technologies and Capabilities to Answer End User Needs



\*Other names and brands may be claimed as the property of others.

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