



7th generation Intel® Core™ processor

Guest Speaker: David Bradshaw, Products & Solution Marketing, Intel

Moderated by: Peter Krass, Site Editor, Business Compute Forum

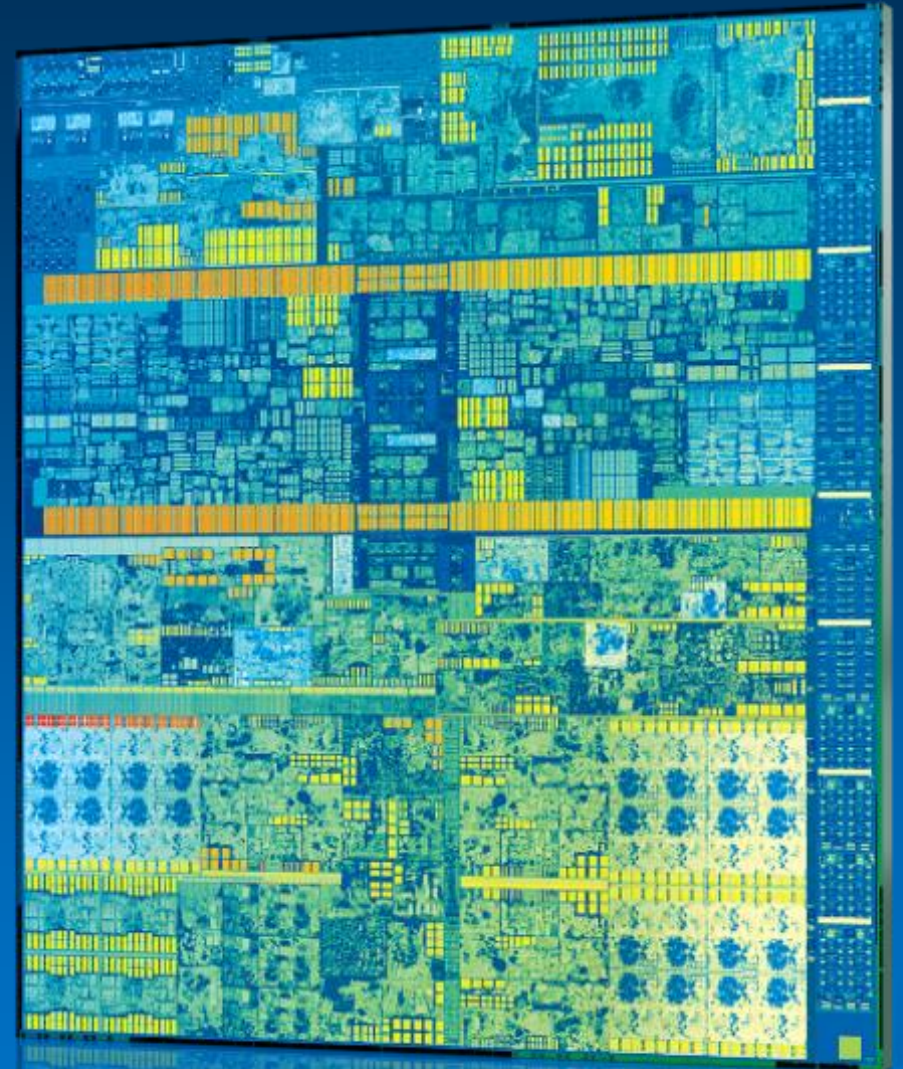
Meet the new 7th generation Intel® Core™ processors

now

- New Intel® Core™ processors from 4.5W-15W
- Powering amazing 2 in 1s and ultrathin notebooks for consumer and small business
- >100 designs in Q4'16

January

- Additional products for enterprise, workstation, Intel® Iris™ Graphics and enthusiasts notebooks and desktops
- Additional form factors across hundreds of designs



Architecture & 14NM+ fuels Performance Gains

architecture

HEVC 10-bit

VP9

Speed path
optimization

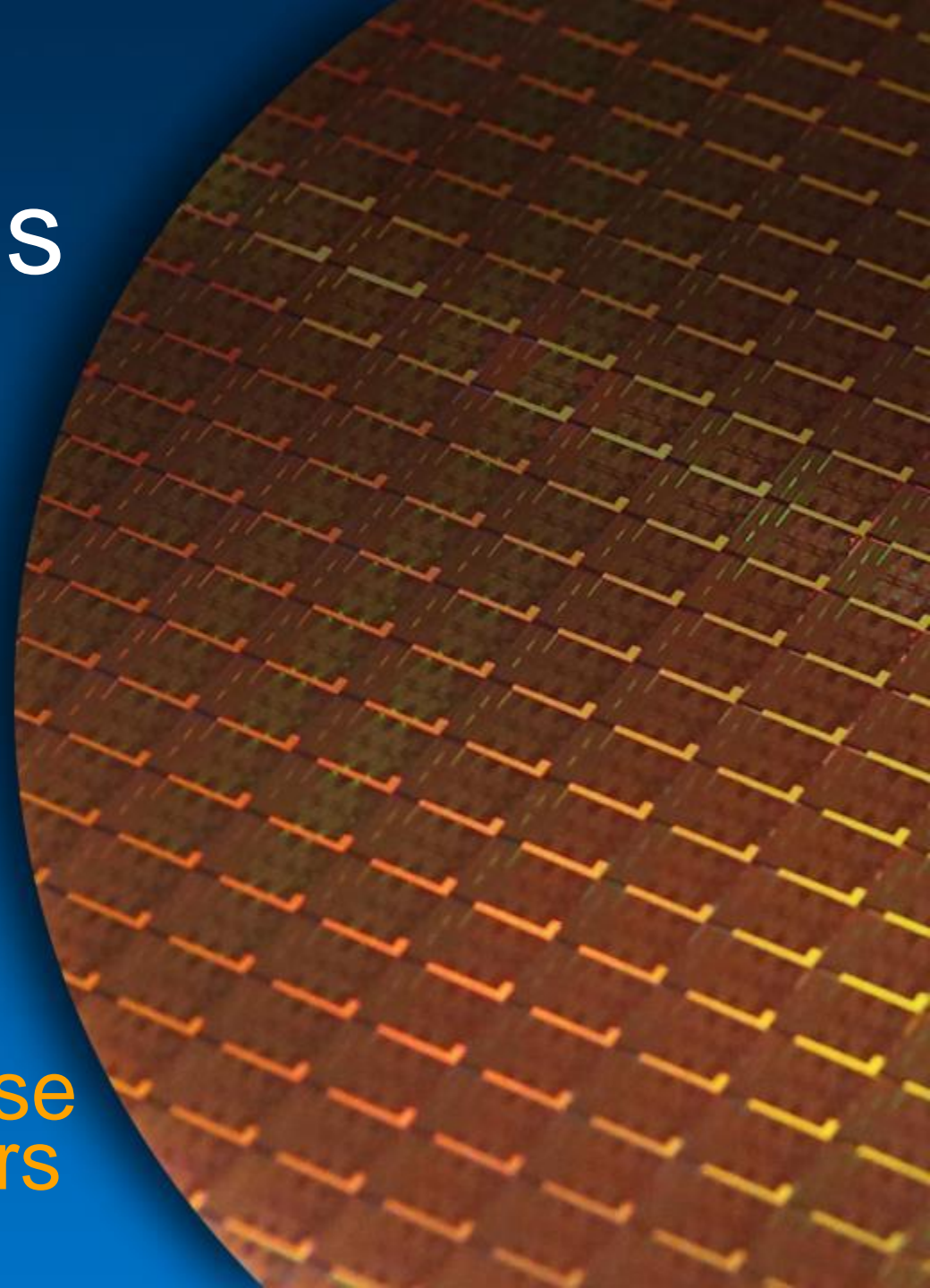
14nm+

Improved fin profile

Improved transistor
channel strain

Integrated design &
manufacturing

12% Process Performance Increase
Supports Leading Edge processors



7th Gen Intel® Core™ processors



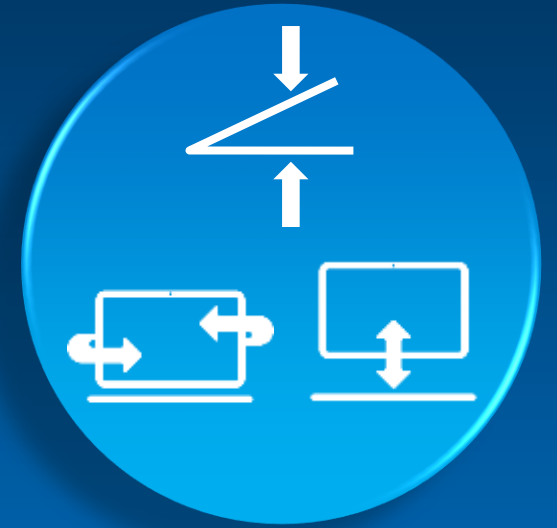
Performance
leadership



Everything
4K UHD



Feature
rich

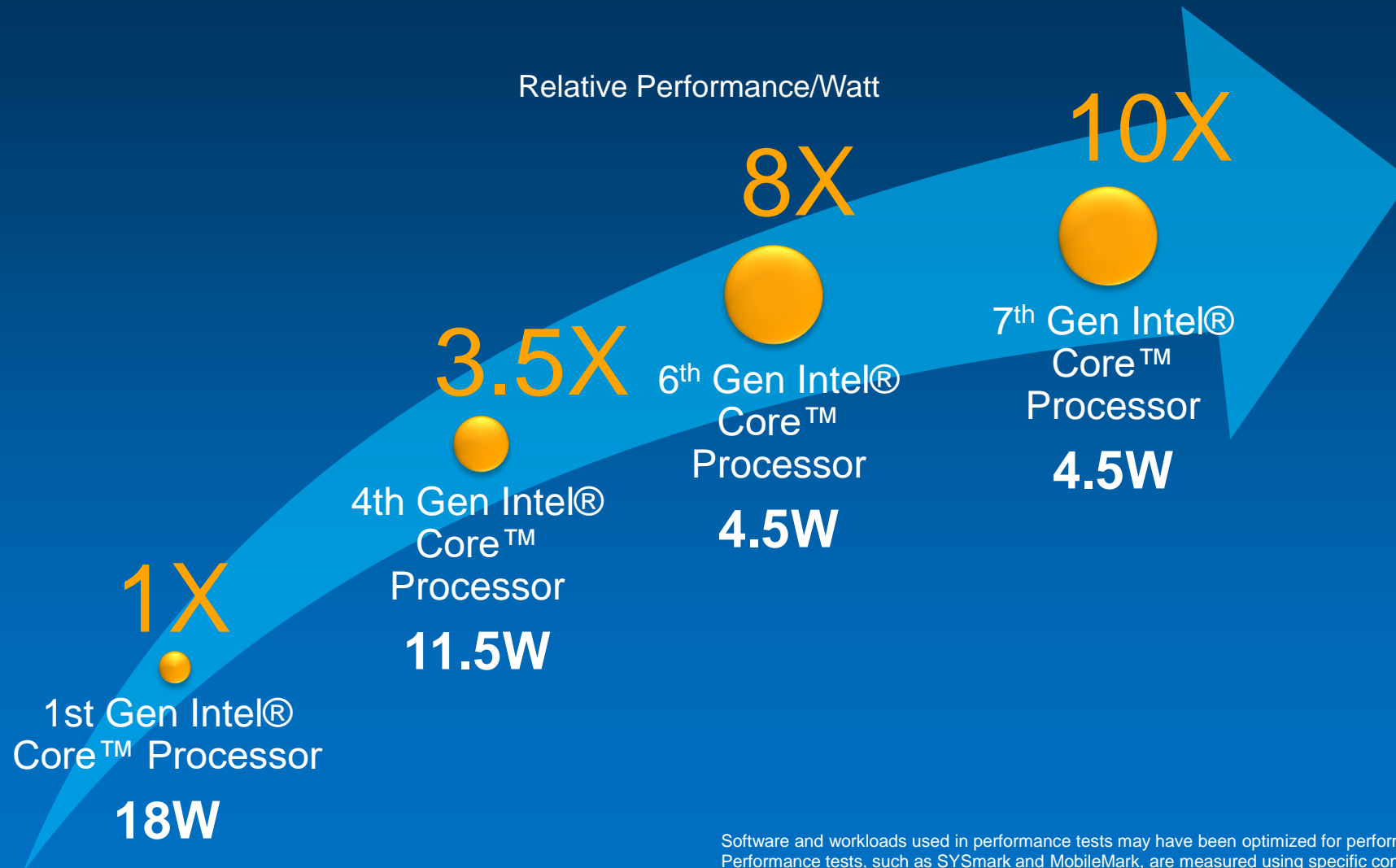


Innovative
designs

Extending performance & feature leadership in

Driving performance & power efficiency

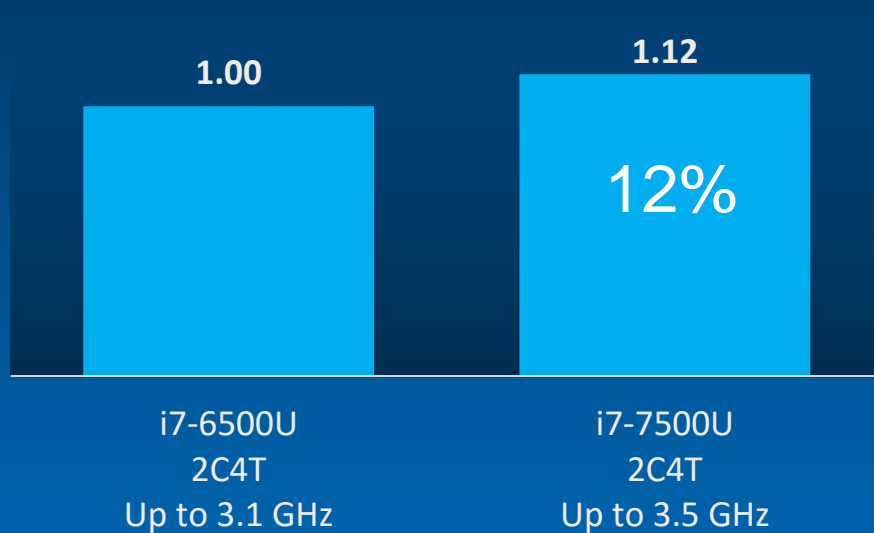
10X More Efficient Vs. 1st Gen



¹Performance based on SYSMark 2014-Overall Performance @ Native Resolution
See appendix for configurations

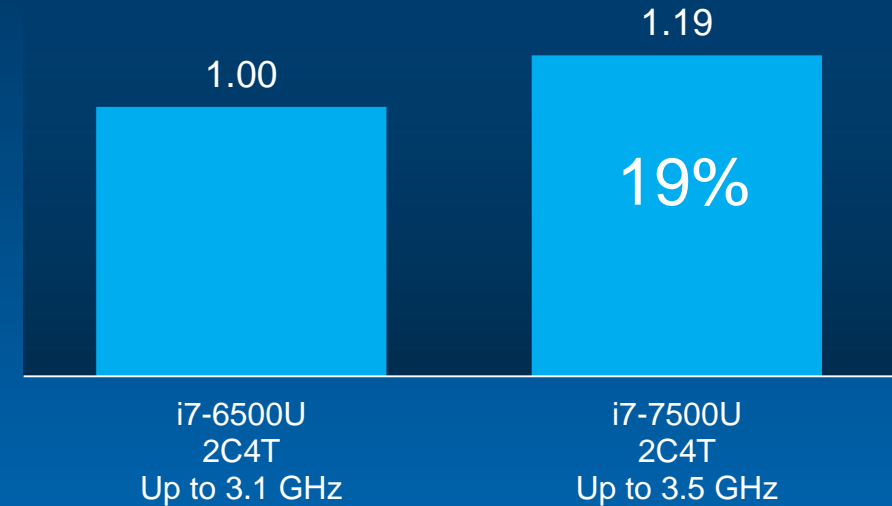
Software and workloads used in performance tests may have been optimized for performance only on Intel microprocessors. Performance tests, such as SYSmark and MobileMark, are measured using specific computer systems, components, software, operations and functions. Any change to any of those factors may 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>

7th gen Intel® core™ processor 15W U-Series PRODUCTIVITY & Responsiveness vs. 6th Gen Intel® Core™ Processor



Up to 12% increased productivity

As Measured by SYSmark* 2014



Up to 19% increased web performance

As Measured by WebXPRT* 2015

Process + CPU Optimizations → Double-Digit

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7th Gen Intel® Core™ processors work faster for you

More than 70%¹ faster mobile productivity than a 5-year-old PC

Work

Get work done **faster**

1.7X Faster¹

Create

Seamlessly create, edit and share 4K UHD 360 videos

8.6X Faster²

Game

Play your favorite games, like Overwatch*, on-the-go, in HD

3X Better³

leaps in performance compared to 5-yr-Old PC

¹Based on SYSmark* 2014 Overall Score (Intel® Core™ i5-7200U vs. Intel® Core™ i5-2467M).

²Based on 4K 360 Video Creation Workload (Intel® Core™ i5-7200U vs. Intel® Core™ i5-2467M).

³Based on 3DMark* Cloud Gate Graphics Score (Intel® Core™ i5-7200U vs. Intel® Core™ i5-2467M).

See appendix for configurations

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Create in 4K UHD faster Vs. 5-year-old PC



Create video highlights in
near real-time

15X Faster¹



Convert a 1 hour 4K UHD
video in 12 minutes

6.8x Faster²



Create with ease
using touch

**Intuitive
Interaction**

¹Based on MAGIX* Fastcut Video Create Wokload (Intel® Core™ i5-7200U vs. Intel® Core™ i5-2467M).

²Based on 4K to 1080p H.26 Transcode Workload (Intel® Core™ i5-7200U vs. Intel® Core™ i5-2467M).

See appendix for configurations

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Feature-RICH 7th Gen Intel® Core™ processor-based PCs



2X Designs (120+)

Gen Over Gen



Windows* Hello
Capable Designs

5X Designs (100+)

Gen Over Gen

4K UHD

50+ Designs

packed with experience-enhancing

Innovative designs powered by 7th gen Intel® Core™ processors



THINNEST *CLAMSHELLS FANLESS
CONVERTIBLE thinner DETACHABLE
AT 10MM THAN 10MM LESS THAN 7MM



Form factor innovation continues

7th Gen Intel® Core™ processors



Performance Leadership

Work, multitask, create

1.7X – 15X¹ faster



Bringing 4K UHD mainstream

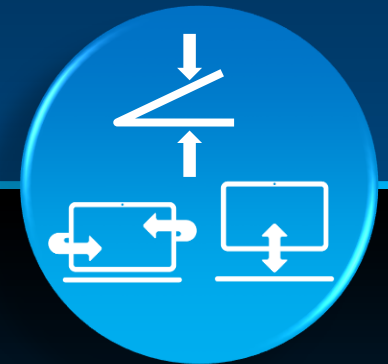
“All Day 4K” battery life
(9.5hr)²

Premium 4K UHD content
on your PC



Feature rich

120+ Thunderbolt™ 3
100+ Windows® Hello 4K
50+ 4K UHD
25+ Pen designs



Innovative designs

New levels of thin 2 in 1s
and clamshells

>100 designs in Q4'16 starting in September

¹Range of performance scores on benchmarks in this presentation

²Based on 4K HEVC 10-bit local video playback on Intel® Core™ i7-7500U at 66Whr battery and 4K panel
See appendix for configurations

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Selected OEM PCs with 7th Gen Intel Core Processors



Dell Inspiron 13 5000

- 13-inch display
- Weight: 3.77 lb. (1.7 kg)
- 360-degree hinge for 2-in-1 usability
- Standard with Windows 10 Home
- Optional infrared camera works with Windows Hello for facial-recognition login
- Retail starts at \$749

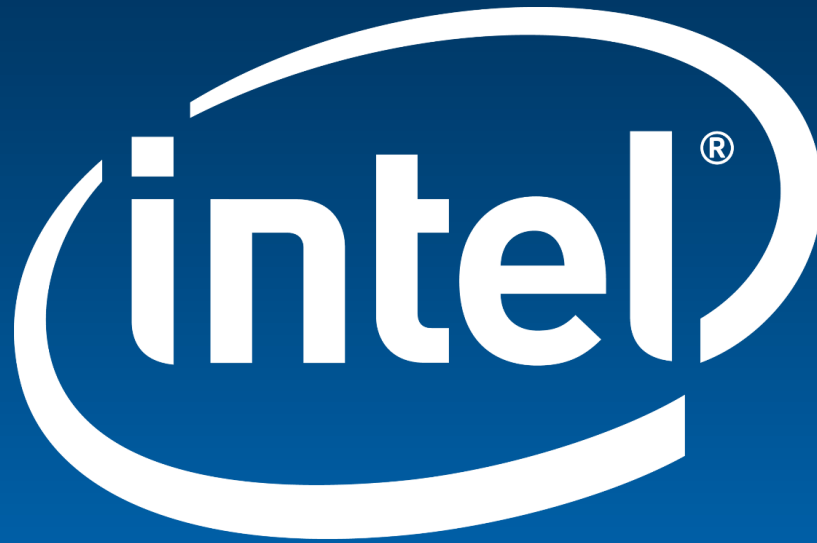
Lenovo YOGA 710 (14")

- 14-inch "edgeless" HD touch display
- Weight: 3.4 lb. (1.55 kg)
- 4 usage modes: laptop, stand, tent, tablet
- Standard with Windows 10 Home
- Retail starts at \$1,799



HP Spectre x360

- 13.3-inch "micro edge" touch display
- Weight: 2.85 lb. (1.29 kg)
- 360-degree hinge for notebook, tablet, presentation, stand modes
- Standard with Windows 10 Home
- Up to 15 hours of battery life
- Retail starts at \$779



experience
what's inside™