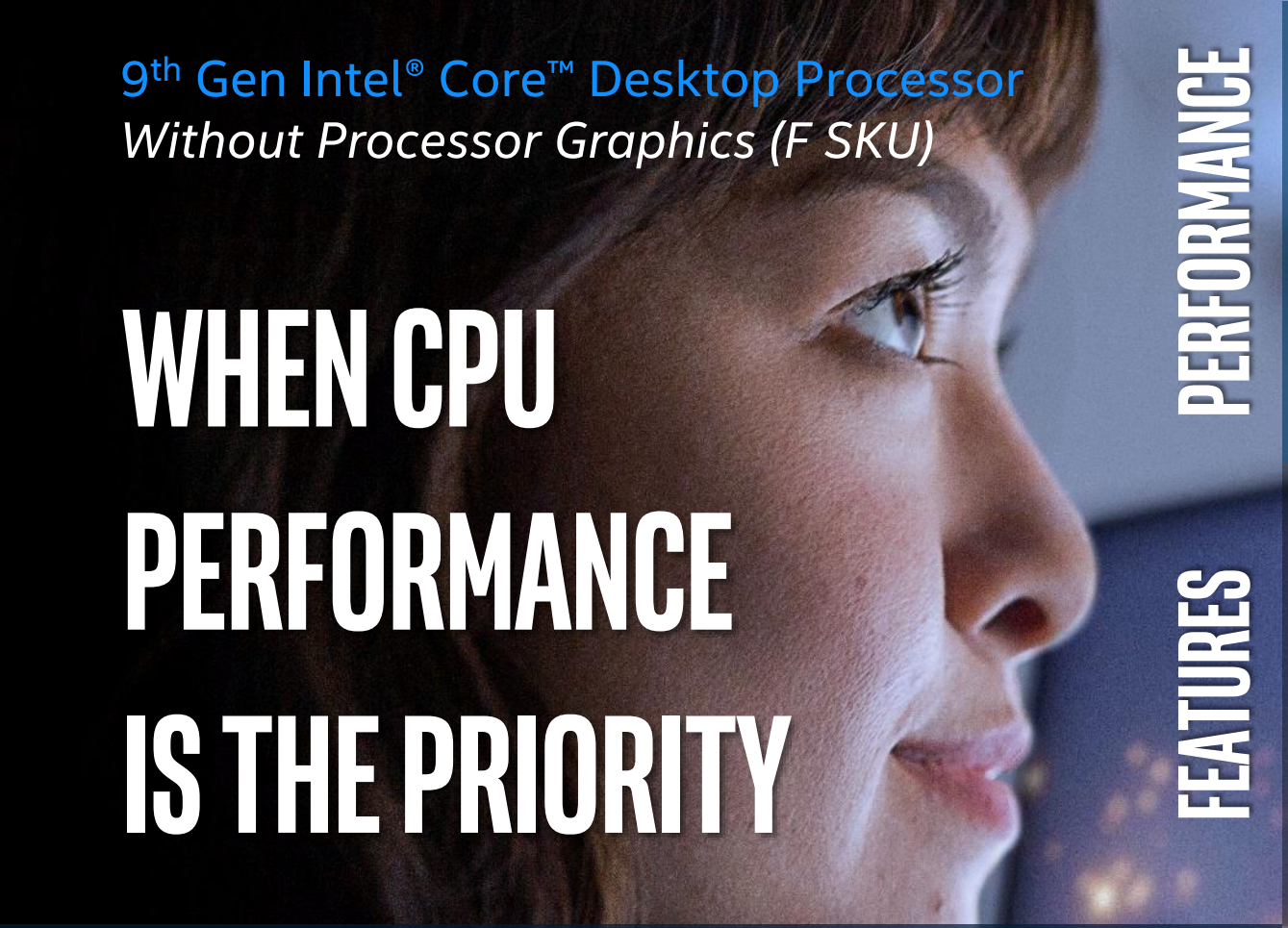

9th Gen Intel® Core™ Desktop Processor
Without Processor Graphics (F SKU)

WHEN CPU PERFORMANCE IS THE PRIORITY

PERFORMANCE

PRODUCTIVITY[1]	GAMING[1]	PHOTO EDITING[1]
UP TO	UP TO	UP TO
96%	**50%**	**2.2X**
FASTER	**MORE FPS**	**FASTER**
VS. 5-YEAR OLD PC	VS. 5-YEAR OLD PC	VS. 5-YEAR OLD PC

FEATURES

Max Turbo	up to **5.0 GHz**
Multitasking	up to **8 Cores/16 Threads**
Overclocking[2,3]	available **Unlocked with STIM**
Intelligent Platform	**Intel® Performance Maximizer**
	Intel® Optane, Thunderbolt 3, Wifi 6
Graphics	**Discrete Graphics Required**

VALUE

A series of Intel® Core™ desktop processors that prioritizes CPU performance. Architected with the same innovations and specifications, F-SKU processors deliver amazing 9th Gen performance. Built without processor graphics features, F SKU is a great value when *CPU* performance is the priority.

Available from Intel® Core™ i9 to Core™ i3

Without processor graphics to simplify market comparison

A great value for CPU performance

- For more complete information about performance and benchmark results, visit www.intel.com/benchmarks.

9th Gen Intel® Core™ Desktop Processor
Without Processor Graphics (F SKU)

MORE OPTIONS TO DELIGHT YOUR CUSTOMERS WITH CPU PERFORMANCE AND VALUE

CUSTOMERS

Deliver the CPU performance that they want and save on the processor graphics when they don't need it.

FEATURES

Max Turbo	up to **5.0 GHz**
Multitasking	up to **8 Cores/16 Threads**
Overclocking[2,3]	available **Unlocked with STIM**
Intelligent Platform	**Intel® Performance Maximizer**
	Intel® Optane, Thunderbolt 3, Wifi 6
Graphics	**Discrete Graphics Required**

VALUE

Best for partners that want to expand their 9th Gen-based product offering with systems configured with discrete graphics and attractive system price points.

Available from Intel® Core™ i9 to Core™ i3

Without processor graphics to simplify market comparison

A great value for CPU performance

DISCLAIMERS & CONFIGURATIONS

[1] 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

Performance results are based on testing as of October 4th, 2018 and may not reflect all publicly available security updates. See configuration disclosure for details. No product can be absolutely secure.

Measured on platforms with:

Intel® Core™ i5-9400F Processor, PL1= 65W TDP, 6C6T, Turbo up to 4.1GHz, Motherboard: ASUS Z390A, Graphics: NVIDIA EVGA RTX2060, Gfx Driver Version: 419.35, Memory: 2x8GB DDR4-2666MHz, Storage: 1TB WD Black HDD + Intel Optane Memory M10 32GB, OS: Microsoft Windows* 10 RS5 Build Version 1809, BIOS: 17, ucode: 0x9A

VS.

Intel® Core™ i5-4460S Processor, PL1=65W TDP, 4C4T, Turbo up to 3.4GHz, Intel HD Graphics 4600, Motherboard: ASUS H97MPLUS, Graphics: NVIDIA EVGA RTX2060, Gfx Driver Version: 419.35, Memory: 2x8GB DDR3 – 1600MHz, Storage: 1TB WD Black HDD, OS: Microsoft Windows* 10 RS5 Build Version 1809, BIOS: 3602 , ucode: 0x242.

[2] Warning: Altering PC clock or memory frequency and/or voltage may (i) reduce system stability and use life of the system, memory and processor; (ii) cause the processor and other system components to fail; (iii) cause reductions in system performance; (iv) cause additional heat or other damage; and (v) affect system data integrity. Intel assumes no responsibility that the memory, included if used with altered clock frequencies and/or voltages, will be fit for any particular purpose. Check with memory manufacturer for warranty and additional details.

[3] Overclocking is supported on *KF* processors of the series and requires a motherboard based on the Intel® Z390 or Intel® Z370 chipsets.

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

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