

7TH GEN INTEL CORE PROCESSOR SKU DETAIL | Y-SERIES

PROCESSOR NAME		INTEL CORE i7 PROCESSOR	INTEL CORE i5 PROCESSOR	INTEL CORE m3 PROCESSOR
Processor Number		i7-7Y75	i5-7Y57	i5-7Y54
Cores/Threads		2/4	2/4	2/4
Base Frequency (GHz)		1.30	1.20	1.20
INTEL® TURBO BOOST TECHNOLOGY 2.0³	Maximum Single Core Turbo (GHz)	3.60	3.30	3.20
	Maximum Dual Core Turbo (GHz)	3.40	2.90	2.80
	Maximum Quad Core Turbo (GHz)	N/A	N/A	N/A
Graphics		Intel® HD Graphics 615	Intel® HD Graphics 615	Intel® HD Graphics 615
Graphics Base / Maximum Freq (MHz)		300/1050	300/950	300/950
LPDDR3/DDR3L Memory Speed Support (MHz)		1866/1600	1866/1600	1866/1600
L3 Cache		4MB	4MB	4MB
TDP		4.5W	4.5W	4.5W
cTDP Up/Down		7W / 3.5W	7W / 3.5W	7W / 3.5W
Tj (deg)		100	100	100
Tj @ SDP (deg)		N/A	–	–
Intel® SIPP		✓	✓	–
INTEL® TECHNOLOGIES	Intel® vPro™	✓	✓	–
	Intel® TXT	✓	✓	–
	Intel® VT-d	✓	✓	✓
	Intel® VT-x	✓	✓	✓
	AES-NI	✓	✓	✓
1ku Pricing		\$ 353.00	\$253.00	\$253.00

7TH GEN INTEL® CORE™ PROCESSOR SKU DETAIL U-SERIES (15W) INTEL® HD GRAPHICS

PROCESSOR NAME		INTEL CORE I7 PROCESSOR	INTEL CORE I5 PROCESSOR	INTEL CORE I3 PROCESSOR		
Processor Number		i7-7600U	i7-7500U	i5-7300U	i5-7200U	i3-7100U
Cores/Threads		2/4	2/4	2/4	2/4	2/4
Base Frequency (GHz)		2.80	2.70	2.60	2.50	2.40
INTEL® TURBO BOOST TECHNOLOGY 2.0³	Maximum Single Core Turbo (GHz)	3.90	3.50	3.50	3.10	N/A
	Maximum Dual Core Turbo (GHz)	3.90	3.50	3.50	3.10	N/A
	Maximum Quad Core Turbo (GHz)	N/A	N/A	N/A	N/A	N/A
Graphics		Intel® HD Graphics 620	Intel® HD Graphics 620	Intel® HD Graphics 620	Intel® HD Graphics 620	Intel® HD Graphics 620
Graphics Base / Maximum Freq (MHz)		300/1150	300/1050	300/1100	300/1000	300/1000
LPDDR3 Memory Speed Support (MHz)		1866	1866	1866	1866	1866
DDR4/DDR3L Memory Speed Support (MHz)		2133/1600	2133/1600	2133/1600	2133/1600	2133/1600
L3 Cache		4MB	4MB	3MB	3MB	3MB
TDP		15W	15W	15W	15W	15W
cTDP Down		7.5W	7.5W	7.5W	7.5W	7.5W
Tj (deg)		100	100	100	100	100
Intel® SIPP		✓	–	✓	–	–
INTEL® TECHNOLOGIES	Intel® vPro™	✓	–	✓	–	–
	Intel® TXT	✓	–	✓	–	–
	Intel® VT-d	✓	✓	✓	✓	✓
	Intel® VT-x	✓	✓	✓	✓	✓
	AES-NI	✓	✓	✓	✓	✓
1ku Pricing		\$353.00	\$353.00	\$253.00	\$253.00	\$253.00

7TH GEN INTEL® CORE™ PROCESSOR SKU DETAIL U-SERIES (15W) INTEL® IRIS™ PLUS GRAPHICS

PROCESSOR NAME		INTEL CORE I7 PROCESSOR		INTEL CORE I5 PROCESSOR	
Processor Number		i7-7660U	i7-7560U	i5-7360U	i5-7260U
Cores/Threads		2/4	2/4	2/4	2/4
Base Frequency (GHz)		2.5	2.4	2.3	2.2
INTEL® TURBO BOOST TECHNOLOGY 2.0 ³	Maximum Single Core Turbo (GHz)	4	3.8	3.6	3.4
	Maximum Dual Core Turbo (GHz)	3.8	3.7	3.6	3.4
	Maximum Quad Core Turbo (GHz)	N/A	N/A	N/A	N/A
Graphics		Intel Iris Plus Graphics 640	Intel Iris Plus Graphics 640	Intel Iris Plus Graphics 640	Intel Iris Plus Graphics 640
Graphics Base / Maximum Freq (MHz)		300/1050	300/1050	300/1000	300/950
LPDDR3 Memory Speed Support (MHz)		1866	1866	1866	1866
DDR4/DDR3L Memory Speed Support (MHz)		2133/1600	2133/1600	2133/1600	2133/1600
L3 Cache		4MB	4MB	4MB	4MB
TDP		15W	15W	15W	15W
cTDP Down		9.5W	9.5W	9.5W	9.5W
Tj (deg)		100	100	100	100
Intel® SIPP		✓	–	✓	–
INTEL® TECHNOLOGIES	Intel® vPro™	✓	–	✓	–
	Intel® TXT	✓	–	✓	–
	Intel® VT-d	✓	✓	✓	✓
	Intel® VT-x	✓	✓	✓	✓
	AES-NI	✓	✓	✓	✓
Package Type		BGA	BGA	BGA	BGA
1ku Pricing		\$373.00	\$373.00	\$273.00	\$273.00

7TH GEN INTEL CORE PROCESSOR SKU DETAIL

U-SERIES (28W) INTEL IRIS PLUS GRAPHICS

PROCESSOR NAME		INTEL CORE I7 PROCESSOR	INTEL CORE I5 PROCESSOR	INTEL CORE I3 PROCESSOR
Processor Number		i7-7567U	i5-7287U	i3-7167U
Cores/Threads		2/4	2/4	2/4
Base Frequency (GHz)		3.5	3.3	2.8
INTEL® TURBO BOOST TECHNOLOGY 2.0 ³	Maximum Single Core Turbo (GHz)	4	3.7	3.5
	Maximum Dual Core Turbo (GHz)	3.9	3.7	3.5
	Maximum Quad Core Turbo (GHz)	N/A	N/A	N/A
Graphics		Intel Iris Plus Graphics 650	Intel Iris Plus Graphics 650	Intel Iris Plus Graphics 650
Graphics Base / Maximum Freq (MHz)		300/1100	300/1100	300/1050
LPDDR3 Memory Speed Support (MHz)		1866	1866	1866
DDR4/DDR3L Memory Speed Support (MHz)		2133/1600	2133/1600	2133/1600
L3 Cache		4MB	4MB	4MB
TDP		28W	28W	28W
cTDP Down		23W	23W	23W
Tj (deg)		100	100	100
Intel® SIPP		–	–	–
INTEL® TECHNOLOGIES	Intel® vPro™	–	–	–
	Intel® TXT	–	–	–
	Intel® VT-d	✓	✓	✓
	Intel® VT-x	✓	✓	✓
	AES-NI	✓	✓	✓
1ku Pricing		\$373.00	\$273.00	\$273.00

7TH GEN INTEL XEON PROCESSOR SKU DETAIL

H-SERIES (45W)

PROCESSOR NAME		INTEL XEON PROCESSOR	
Processor Number	E3-1535M v6	E3-1505M v6	
Cores/Threads	4/8	4/8	
Base Frequency (GHz)	3.1	3.0	
INTEL® TURBO BOOST TECHNOLOGY 2.0 ³	Maximum Single Core Turbo (GHz)	4.2	4.0
	Maximum Dual Core Turbo (GHz)	4.1	3.8
	Maximum Quad Core Turbo (GHz)	3.9	3.6
Graphics	Intel® HD Graphics P630	Intel® HD Graphics P630	
Graphics Base / Maximum Freq (MHz)	350/1100	350/1100	
LPDDR3 Memory Speed Support (MHz)	2133	2133	
DDR4/DDR3L Memory Speed Support (MHz)	1600/2400	1600/2400	
L3 Cache	8MB	8MB	
TDP	45W	45W	
cTDP Down	35W	35W	
Tj (deg)	100	100	
Intel® SIPP	✓	✓	
INTEL® TECHNOLOGIES	Intel® vPro™	✓	✓
	Intel® TXT	✓	✓
	Intel® VT-d	✓	✓
	Intel® VT-x	✓	✓
	AES-NI	✓	✓
1ku Pricing	\$560.00	\$390.00	

7TH GEN INTEL CORE PROCESSOR SKU DETAIL | H-SERIES (45W)

PROCESSOR NAME		INTEL CORE I7 PROCESSOR				INTEL CORE I5 PROCESSOR		INTEL CORE I3 PROCESSOR
Processor Number		i7-7920HQ	i7-7820HQ	i7-7820HK*	i7-7700HQ	i5-7440HQ	i5-7300HQ	i3-7100H
Cores/Threads		4/8	4/8	4/8	4/8	4/4	4/4	2/4
Base Frequency (GHz)		3.1	2.9	2.9	2.8	2.8	2.5	3.0
INTEL® TURBO BOOST TECHNOLOGY 2.0³	Maximum Single Core Turbo (GHz)	4.1	3.9	3.9	3.8	3.8	3.5	3.0
	Maximum Dual Core Turbo (GHz)	3.9	3.7	3.7	3.6	3.6	3.3	–
	Maximum Quad Core Turbo (GHz)	3.7	3.5	3.5	3.4	3.4	3.1	–
Graphics		Intel® HD Graphics 630	Intel® HD Graphics 630	Intel® HD Graphics 630	Intel® HD Graphics 630	Intel® HD Graphics 630	Intel® HD Graphics 630	Intel® HD Graphics 630
Graphics Base / Maximum Freq (MHz)		350/1100	350/1100	350/1100	350/1100	350/1000	350/1000	350/950
LPDDR3 Memory Speed Support (MHz)		2133	2133	2133	2133	2133	2133	2133
DDR4/DDR3L Memory Speed Support (MHz)		2400/1600	2400/1600	2400/1600	2400/1600	2400/1600	2400/1600	2400/1600
L3 Cache		8MB	8MB	8MB	6MB	6MB	6MB	3MB
TDP		45W	45W	45W	45W	45W	45W	35W
cTDP Down		35W	35W	35W	35W	35W	35W	–
Tj (deg)		100	100	100	100	100	100	100
Intel® SIPP		✓	✓	–	–	✓	–	–
INTEL® TECHNOLOGIES	Intel® vPro™	✓	✓	–	–	✓	–	–
	Intel® TXT	✓	✓	–	–	✓	–	–
	Intel® VT-d	✓	✓	✓	✓	✓	✓	✓
	Intel® VT-x	✓	✓	✓	✓	✓	✓	✓
	AES-NI	✓	✓	✓	✓	✓	✓	✓
1ku Pricing		\$510.00	\$340.00	\$340.00	\$340.00	\$225.00	\$225.00	\$210.00

7TH GEN INTEL CORE PROCESSOR SKU DETAIL **S-SERIES**

PROCESSOR NAME	INTEL CORE I7 PROCESSOR	INTEL CORE I5 PROCESSOR	INTEL CORE I7 PROCESSOR	INTEL CORE I5 PROCESSOR	INTEL CORE I5 PROCESSOR	INTEL CORE I7 PROCESSOR	INTEL CORE I5 PROCESSOR	INTEL CORE I5 PROCESSOR
	91W		65W			35W		
Processor Number	i7-7700K	i5-7600K	i7-7700	i5-7600	i5-7500	i7-7700T	i5-7600T	i5-7500T
Cores/Threads	4/8	4/4	4/8	4/4	4/4	4/8	4/4	4/4
Base Frequency (GHz)	4.2	3.8	3.6	3.5	3.4	2.9	2.8	2.7
Intel® Turbo Boost Technology† Maximum Single Core Turbo (GHz)	4.5	4.2	4.2	4.1	3.8	3.8	3.7	3.3
Unlocked²	✓	✓	–	–	–	–	–	–
Graphics	Intel® HD Graphics 630	Intel® HD Graphics 630	Intel® HD Graphics 630	Intel® HD Graphics 630	Intel® HD Graphics 630	Intel® HD Graphics 630	Intel® HD Graphics 630	Intel® HD Graphics 630
Dynamic Frequency (MHz)	1150	1150	1150	1150	1100	1150	1100	1100
DDR4/DDR3L Memory Speed Support (MHz)	2400±/ 1600	2400±/ 1600	2400±/ 1600	2400±/ 1600	2400±/ 1600	2400±/ 1600	2400±/ 1600	2400±/ 1600
Intel® Smart Cache	8M	6M	8M	6M	6M	8M	6M	6M
Integrated Memory Controller	2 ch	2 ch	2 ch	2 ch	2 ch	2 ch	2 ch	2 ch
TDP	91W	91W	65W	65W	65W	35W	35W	35W
PCG	2015D	2015D	2015C	2015C	2015C	2015A	2015A	2015A
Intel® SIPP	–	–	✓	✓	✓	✓	✓	✓
INTEL® TECHNOLOGIES	Intel® vPro™	–	✓	✓	✓	✓	✓	✓
	ISM†	–	✓	✓	✓	✓	✓	✓
	Intel® VT-d	✓	✓	✓	✓	✓	✓	✓
	Intel® TXT	–	–	✓	✓	✓	✓	✓
	AES-NI	✓	✓	✓	✓	✓	✓	✓
	Intel® Device Protection with Boot Guard	✓	✓	✓	✓	✓	✓	✓
1ku Pricing	\$305.00	\$217.00	\$272.00	\$199.00	\$179.00	\$272.00	\$199.00	\$179.00

† Fused from quad core source die

± DDR4-2400 support is 1 and 2 DPC for UDIMMs but only 1 DPC for SODIMMs

†† Intel® Standard Manageability

Intel processor numbers are not a measure of performance. Processor numbers differentiate features within each processor family, not across different processor families. All processors are lead-free (per EU RoHS directive July 2006) and halogen free (residual amounts of halogens are below November 2007 proposed IPC/JEDEC J-STD-709 standards).

All processors support Intel® Virtualization Technology (Intel® VT-x)

7TH GEN INTEL CORE PROCESSOR SKU DETAIL | S-SERIES

PROCESSOR NAME	INTEL CORE I5 PROCESSOR	
	65W	35W
Processor Number	i5-7400	i5-7400T
Cores/Threads	4/4	4/4
Base Frequency (GHz)	3.0	2.4
Intel® Turbo Boost Technology [†] Maximum Single Core Turbo (GHz)	3.5	3.0
Unlocked ²	–	–
Graphics	Intel® HD Graphics 630	Intel® HD Graphics 630
Dynamic Frequency (MHz)	1000	1000
DDR4/DDR3L Memory Speed Support (MHz)	2400 [±] /1600	2400 [±] /1600
Intel® Smart Cache	6M	6M
Integrated Memory Controller	2 ch	2 ch
TDP	65W	35W
PCG	2015C	2015A
Intel® SIPP	–	–
INTEL® TECHNOLOGIES	Intel® vPro™	–
	ISM ^{††}	✓
	Intel® VT-d	✓
	Intel® TXT	–
	AES-NI	✓
	Intel® Device Protection with Boot Guard	✓
1ku Pricing	\$170.00	\$170.00

[†] Fused from quad core source die

[±] DDR4-2400 support is 1 and 2 DPC for UDIMMs but only 1 DPC for SODIMMs

^{††} Intel® Standard Manageability

Intel processor numbers are not a measure of performance. Processor numbers differentiate features within each processor family, not across different processor families. All processors are lead-free (per EU RoHS directive July 2006) and halogen free (residual amounts of halogens are below November 2007 proposed IPC/JEDEC J-STD-709 standards).

All processors support Intel® Virtualization Technology (Intel® VT-x)

7TH GEN INTEL CORE PROCESSOR SKU DETAIL **S-SERIES**

PROCESSOR NAME	INTEL CORE i3 PROCESSOR				INTEL CORE i3 PROCESSOR	
	60W	51W			35W	
Processor Number	i3-7350K	i3-7320	i3-7300	i3-7100	i3-7300T	i3-7100T
Cores/Threads	2/4	2/4	2/4	2/4	2/4	2/4
Base Frequency (GHz)	4.2	4.1	4.0	3.9	3.5	3.4
Intel® Turbo Boost Technology[†] Maximum Single Core Turbo (GHz)	N/A	N/A	N/A	N/A	N/A	N/A
Unlocked²	✓	–	–	–	–	–
Graphics	Intel® HD Graphics 630	Intel® HD Graphics 630	Intel® HD Graphics 630	Intel® HD Graphics 630	Intel® HD Graphics 630	Intel® HD Graphics 630
Dynamic Frequency (MHz)	1150	1150	1150	1100	1100	1100
DDR4/DDR3L Memory Speed Support (MHz)	2400 [±] /1600	2400 [±] /1600	2400 [±] /1600	2400 [±] /1600	2400 [±] /1600	2400 [±] /1600
Intel® Smart Cache	4M	4M	4M	3M	4M	3M
Integrated Memory Controller	2 ch	2 ch	2 ch	2 ch	2 ch	2 ch
TDP	60W	51W	51W	51W	35W	35W
PCG	2015D	2015C	2015C	2015C	2015A	2015A
Intel® SIPP		–	–	–	–	–
INTEL® TECHNOLOGIES	Intel® vPro™	–	–	–	–	–
	ISM^{††}	✓	✓	✓	✓	✓
	Intel® VT-d	✓	✓	✓	✓	✓
	Intel® TXT		–	–	–	–
	AES-NI	✓	✓	✓	✓	✓
	Intel® Device Protection with Boot Guard	✓	✓	✓	✓	✓
1ku Pricing	\$157.00	\$139.00	\$129.00	\$109.00	\$129.00	\$109.00

[†] Fused from quad core source die

[±] DDR4-2400 support is 1 and 2 DPC for UDIMMs but only 1 DPC for SODIMMs

^{††} Intel® Standard Manageability

Intel processor numbers are not a measure of performance. Processor numbers differentiate features within each processor family, not across different processor families. All processors are lead-free (per EU RoHS directive July 2006) and halogen free (residual amounts of halogens are below November 2007 proposed IPC/JEDEC J-STD-709 standards).

All processors support Intel® Virtualization Technology (Intel® VT-x)

NEW INTEL DESKTOP CHIPSET FEATURE COMPARISON

FEATURES		INTEL Q270 CHIPSET	INTEL Q250 CHIPSET	INTEL B250 CHIPSET	INTEL H270 CHIPSET	INTEL Z270 CHIPSET
CHIPSET I/O	Chipset PCI Express* 3.0 Lanes ¹	Up to 24	Up to 14	Up to 12	Up to 20	Up to 24
	SATA 3.0 (6 Gb/s) Ports ¹	Up to 6	Up to 6	Up to 6	Up to 6	Up to 6
	USB 3.0 Ports ¹	Up to 10	8	6	8	Up to 10
	Total USB Ports (USB 2.0 + 3.0) ¹	14	14	12	14	14
	Intel® RST for PCIe 3.0 Storage Ports (up to x4 M.2) ^o	3	1	1	2	3
	Enhanced SPI	✓	✓	✓	✓	✓
PROCESSOR	Processor PCI Express* 3.0 Lanes Configuration Support	1x16 or 2x8 or 1x8+2x4	1x16	1x16	1x16	1x16 or 2x8 or 1x8+2x4
	DMI Speed	3.0	3.0	3.0	3.0	3.0
MANAGEABILITY	Intel® Management Engine 11.6	Corporate	Corporate	Consumer/Corporate	Consumer/Corporate	Consumer
	Intel® vPro™ Technology with Intel® Active Management Technology 11.6	✓	–	–	–	–
	Intel® Standard Manageability	✓	✓	–	–	–
SECURITY	Intel® Platform Trust Technology 3.0	✓ w/o Intel® TXT	✓ w/o Intel® TXT	✓	✓	✓
	Intel® Device Protection Technology with Boot Guard	✓	✓	✓	✓	✓
PROCESSOR	Overclocking	–	–	–	–	✓
	Intel® Stable Image Platform	✓	✓	–	–	–
	Independent Display Support	3	3	3	3	3
	System Memory Support	DDR4/3L	DDR4/3L	DDR4/3L	DDR4/3L	DDR4/3L
	System Memory Channels/SPC	2/2	2/2	2/2	2/2	2/2
CSR	Conflict Free [†]	Yes	Yes	Yes	Yes	Yes
	Lead-free and halogen-free [‡] component packages	Yes	Yes	Yes	Yes	Yes

^o Maximum lanes/ports available may vary depending on platform implementation

[†] "Conflict-free" refers to products, suppliers, supply chains, smelters, and refiners that, based on our due diligence, do not contain or source tantalum, tin, tungsten or gold (referred to as 'conflict minerals' by the U.S. Securities and Exchange Commission) that directly or indirectly finance or benefit armed groups in the Democratic Republic of Congo or adjoining countries.

[‡] Applies only to brominated and chlorinated flame retardants (BFRs/CFRs) and PVC in the final product. Intel components as well as purchased components on the finished assembly meet JS-709A requirements, and the PCB/Substrate meet IEC 61249-2-21 requirements. The replacement of halogenated flame retardants and/or PVC may not be better for the environment.

NEW INTEL® MOBILE CHIPSET FEATURE COMPARISON

FEATURES		INTEL CM238 CHIPSET	INTEL QM175 CHIPSET	INTEL HM175 CHIPSET
CHIPSET I/O	Chipset PCI Express* 3.0 Lanes ¹	Up to 20	Up to 16	Up to 16
	SATA 3.0 (6 Gb/s) Ports ¹	Up to 8	Up to 4	Up to 4
	USB 3.0 Ports ¹	Up to 10	Up to 8	Up to 8
	Total USB Ports (USB 2.0 + 3.0) ¹	14	14	14
	Intel® RST for PCIe 3.0 Storage Ports (up to x4 M.2) [◇]	3	2	2
	Enhanced SPI	✓	✓	✓
PROCESSOR	Processor PCI Express* 3.0 Lanes Configuration Support	1x16 or 2x8 or 1x8+2x4	1x16 or 2x8 or 1x8+2x4	1x16 or 2x8 or 1x8+2x4
	DMI Speed	3.0	3.0	3.0
	Independent Display Support	3	3	3
	System Memory Support [‡]	DDR4/DDR3L/LPDDR3	DDR4/DDR3L/LPDDR3	DDR4/DDR3L/LPDDR3
	System Memory Channels/DPC	2/2	2/2	2/2
MANAGEABILITY	Intel® Management Engine 11.6	Consumer/Corporate	Consumer/Corporate	Consumer/Corporate
	Intel® vPro™ Technology with Intel® Active Management Technology 11.6	✓	✓	–
SECURITY	Intel® Platform Trust Technology 3.0	✓	✓	✓
	Intel® Device Protection Technology with Boot Guard	✓	✓	✓
	Intel® Stable Image Platform	✓	✓	–
CSR	Conflict Free [†]	Yes	Yes	Yes
	Lead-free and halogen-free [‡] component packages	Yes	Yes	Yes

◇ Maximum lanes/ports available may vary depending on platform implementation

‡ Refer to the product specification for memory speed support details.

† "Conflict-free" refers to products, suppliers, supply chains, smelters, and refiners that, based on our due diligence, do not contain or source tantalum, tin, tungsten or gold (referred to as 'conflict minerals' by the U.S. Securities and Exchange Commission) that directly or indirectly finance or benefit armed groups in the Democratic Republic of Congo or adjoining countries.

‡ Applies only to brominated and chlorinated flame retardants (BFRs/CFRs) and PVC in the final product. Intel components as well as purchased components on the finished assembly meet JS-709A requirements, and the PCB/Substrate meet IEC 61249-2-21 requirements. The replacement of halogenated flame retardants and/or PVC may not be better for the environment.

For more information, visit www.intel.com/core

1. No computer system 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. For more information visit www.intel.com/technology/security.
2. Altering clock frequency and/or voltage may cause damage to or reduce the useful life of the processor and other system components and/or reduce system stability and performance. Product warranties may not apply if the processor is operated beyond its specifications. Check with manufacturers of other system components for warranty and additional details. For more information, visit: <http://www.intel.com/content/www/us/en/gaming/overclocking-intel-processors.html>
3. Intel technologies' features and benefits depend on system configuration and may require enabled hardware, software or service activation. Performance varies depending on system configuration. No computer system can be absolutely secure. Check with your system manufacturer or retailer or learn more at <http://support.intel.com>.
4. Based on measurement of Intel® Core™ i7-7Y75 vs. Intel® Core™ m7-6Y75 and Intel® Core™ i7-7500U vs. Intel® Core™ i7-6500U. System configurations from footnote 25 using SEG0596 4K HEVC Content Creation benchmark.
5. As measured by 3DMark* Cloud Gate Graphics on Intel® Core™ i5-7600 Processor vs. Intel® Core™ i5-2500 Processor
 - Intel® Core™ i5-7600 Processor, PL1=65W TDP, 4C4T, Turbo up to 4.1GHz, Motherboard: ASUS* Z270, Memory: 2x4GB DDR4-2400, Storage: Seagate HDD, OS: Windows* 10 Build 1607
 - Intel® Core™ i5-2500 Processor, PL1=95W TDP, 4C4T, Turbo up to 3.7GHz, Motherboard: H67, Memory: 2x4GB DDR3-1333, Storage: Seagate HDD, OS: Windows* 7
6. Windows* Hello requires specialized hardware, including fingerprint reader, illuminated IR sensor or other biometric sensors and capable devices.
7. Based on measurement of Intel® Core™ i7-7Y75 vs. Intel® Core™ m7-6Y75 and Intel® Core™ i7-7500U vs. Intel® Core™ i7-6500U. System configurations using the following procedure: Disconnect all USB devices, connect to a local WiFi access point and set the screen brightness to 200 nits (disable DPST, set brightness to 200 nits on a white background and enable DPST). Wait for 10 mins for the OS to completely idle. Launch Tears of Steel (1080p H264 10MBps) video using the Universal Windows* player. Measure and calculate average power for the duration of the video. Report 3 run median.
8. As measured by Windows* 10 EEMBC Browsing Bench Component Average Power.
 - 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, Battery Size: 42Whr
9. As compared to other PC I/O connection technologies including eSATA, USB, and IEEE 1394 Firewire*. Performance will vary depending on the specific hardware and software used. Must use a Thunderbolt™-enabled device
10. No system can provide absolute security. Requires an Intel® Software Guard Extensions –enabled platform, available on select Intel processors, and an enabled operating system. Consult your system manufacturer for more information.
11. Windows* Ink requires Touch capable tablet or PC. Pen accessory may be sold separately. For instant access, user must enable in settings and have a Bluetooth button on pen.

FTC Optimization Notice

Intel's compilers may or may not optimize to the same degree for non-Intel microprocessors for optimizations that are not unique to Intel microprocessors. These optimizations include SSE2, SSE3, and SSE3 instruction sets and other optimizations. Intel does not guarantee the availability, functionality, or effectiveness of any optimization on microprocessors not manufactured by Intel. Microprocessor-dependent optimizations in this product are intended for use with Intel microprocessors. Certain optimizations not specific to Intel microarchitecture are reserved for Intel microprocessors. Please refer to the applicable product User and Reference Guides for more information regarding the specific instruction sets covered by this notice. Notice revision #20110804

General Performance Disclaimer/"Your Mileage May Vary"/Benchmark

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.

Principled Technologies benchmark disclaimer (XPRT benchmark disclaimer)

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.

Processor Numbering Notice

Intel processor numbers are not a measure of performance. Processor numbers differentiate features within each processor family, not across different processor families: Go to: http://www.intel.com/products/processor_number

Legal Disclaimer

© 2017 Intel Corporation.

Intel, the Intel logo, Intel Inside, Core, and Xeon are [trademarks of Intel Corporation](#) in the U.S. and/or other countries.

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

Intel technologies may require enabled hardware, specific software, or services activation. Check with your system manufacturer or retailer.

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 visit <http://www.intel.com/performance>.

Tests document performance of components on a particular test, in specific systems. Differences in hardware, software, or configuration will affect actual performance. Consult other sources of information to evaluate performance as you consider your purchase. For more complete information about performance and benchmark results, visit <http://www.intel.com/benchmarks>

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>