

## 6TH GEN INTEL® CORE MOBILE PROCESSOR™ SKU DETAIL

PROCESSOR NAME	INTEL® CORE m7 PROCESSORS (Y-SERIES)	INTEL® CORE m5 PROCESSORS (Y-SERIES)	INTEL® CORE m5 PROCESSORS (Y-SERIES)	INTEL® CORE m3 PROCESSORS (Y-SERIES)	INTEL® PENTIUM® PROCESSORS (Y-SERIES)	
Processor Number	m7-6Y75	m5-6Y57	m5-6Y54	m3-6Y30	4405Y	
Cores/ Threads	2/4	2/4	2/4	2/4	2/4	
Base Frequency (GHz)	1.2	1.1	1.1	0.9	1.5	
INTEL® TURBO BOOST TECHNOLOGY 2.0	Maximum Single Core Turbo (GHz)	3.1	2.8	2.7	2.2	N/A
	Maximum Dual Core Turbo (GHz)	2.9	2.4	2.4	2.0	N/A
	Maximum Quad Core Turbo (GHz)	N/A	N/A	N/A	N/A	N/A
Graphics	Intel® HD Graphics 515	Intel® HD Graphics 515	Intel® HD Graphics 515	Intel® HD Graphics 515	Intel® HD Graphics 515	
Graphics Base / Maximum Freq (MHz)	300/1000	300/900	300/900	300/850	300/800	
LPDDR3/DDR3L Memory Speed Support (MHz)	1866/1600	1866/1600	1866/1600	1866/1600	1866/1600	
L3 Cache	4MB	4MB	4MB	4MB	2MB	
TDP	4.5W	4.5W	4.5W	4.5W	6W	
cTDP Up/Down	7W / 3.5W	7W / 3.5W	7W / 3.5W	7W / 3.8W	N/A / 4.5W	
Tj (deg)	100	100	100	100	100	
SDP	3W	3W	3W	3W	N/A	
Tj @ SDP (deg)	N/A	-	-	-	-	
Intel® SIPP	2016	2016	-	-	-	
INTEL® TECHNOLOGIES	Intel® vPro™	X	X	-	-	
	Intel TXT	X	X	-	-	
	Intel VT-d	X	X	X	X	-
	Intel VT-x	X	X	X	X	X
	AES-NI	X	X	X	X	X
1ku Pricing	\$393	\$281	\$281	\$281	TBD	

## 6TH GEN INTEL® CORE MOBILE PROCESSOR™ SKU DETAIL (15W)

PROCESSOR NAME	INTEL® CORE i7 PROCESSORS (U-SERIES)				INTEL® CORE i5 PROCESSORS (U-SERIES)				INTEL® CORE i3 PROCESSORS (U-SERIES)	INTEL® PENTIUM® PROCESSORS (U-SERIES)	
	i7-6650U	i7-6600U	i7-6560U	i7-6500U	i5-6360U	i5-6300U	i5-6260U	i5-6200U	i3-6100U	4405U	
Processor Number	i7-6650U	i7-6600U	i7-6560U	i7-6500U	i5-6360U	i5-6300U	i5-6260U	i5-6200U	i3-6100U	4405U	
Cores/ Threads	2/4	2/4	2/4	2/4	2/4	2/4	2/4	2/4	2/4	2/4	
Base Frequency (GHz)	2.2	2.6	2.2	2.5	2.0	2.4	1.8	2.3	2.3	2.1	
INTEL® TURBO BOOST TECHNOLOGY 2.0	Maximum Single Core Turbo (GHz)	3.4	3.4	3.2	3.1	3.1	3.0	2.9	2.8	N/A	N/A
	Maximum Dual Core Turbo (GHz)	3.2	3.2	3.1	3.0	2.9	2.9	2.7	2.7	N/A	N/A
	Maximum Quad Core Turbo (GHz)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Graphics	Intel® Iris™ Graphics 540	Intel® HD Graphics 520	Intel® Iris™ Graphics 540	Intel® HD Graphics 520	Intel® Iris™ Graphics 540	Intel® HD Graphics 520	Intel® Iris™ Graphics 540	Intel® HD Graphics 520	Intel® HD Graphics 520	Intel® HD Graphics 510	
Graphics Base / Maximum Freq (MHz)	300/ 1050	300/ 1050	300/ 1050	300/ 1050	300/ 1000	300/ 1000	300/ 950	300/ 1000	300/ 1000	300/ 950	
LPDDR3 Memory Speed Support (MHz)	1866	1866	1866	1866	1866	1866	1866	1866	1866	1866	
DDR3L/DDR4 Memory Speed Support (MHz)	1600/ 2133	1600/ 2133	1600/ 2133	1600/ 2133	1600/ 2133	1600/ 2133	1600/ 2133	1600/ 2133	1600/ 2133	1600/ 2133	
L3 Cache	4MB	4MB	4MB	4MB	4MB	3MB	4MB	3MB	3MB	2MB	
TDP	15W	15W	15W	15W	15W	15W	15W	15W	15W	15W	
cTDP Up/Down	9.5W	7.5W	9.5W	7.5W	9.5W	7.5W	9.5W	7.5W	7.5W	10W	
Tj (deg)	100	100	100	100	100	100	100	100	100	100	
Intel® SIPP	2016	2016	-	-	2016	2016	-	-	-	-	
INTEL® TECHNOLOGIES	Intel® vPro™	X	X	-	-	X	X	-	-	-	-
	Intel TXT	X	X	-	-	X	X	-	-	-	-
	Intel VT-d	X	X	X	X	X	X	X	X	X	X
	Intel VT-x	X	X	X	X	X	X	X	X	X	X
	AES-NI	X	X	X	X	X	X	X	X	X	X
Package Type	BGA	BGA	BGA	BGA	BGA	BGA	BGA	BGA	BGA	BGA	
1ku Pricing	TBD	\$393	TBD	\$393	TBD	\$281	TBD	\$281	\$281	TBD	

## 6TH GEN INTEL® CORE MOBILE PROCESSOR™ SKU DETAIL (28W)

PROCESSOR NAME	INTEL® CORE i7 PROCESSORS (U-SERIES)	INTEL® CORE i5 PROCESSORS (U-SERIES)	INTEL® CORE i3 PROCESSORS (U-SERIES)	
Processor Number	i7-6567U	i5-6287U	i3-6167U	
Cores/ Threads	2/4	2/4	2/4	
Base Frequency (GHz)	3.3	3.1	2.9	
INTEL® TURBO BOOST TECHNOLOGY 2.0	Maximum Single Core Turbo (GHz)	3.6	3.5	3.3
	Maximum Dual Core Turbo (GHz)	3.4	3.3	3.1
	Maximum Quad Core Turbo (GHz)	N/A	N/A	N/A
Graphics	Intel® Iris™ Graphics 550	Intel® Iris™ Graphics 550	Intel® Iris™ Graphics 550	
Graphics Base / Maximum Freq (MHz)	300/1100	300/1100	300/1050	
LPDDR3 Memory Speed Support (MHz)	1866	1866	1866	
DDR3L/DDR4 Memory Speed Support (MHz)	1600/2133	1600/2133	1600/2133	
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	X	X	
	Intel VT-x	X	X	
	AES-NI	X	X	
Package Type	BGA	BGA	BGA	
1ku Pricing	TBD	TBD	TBD	

## 6TH GEN INTEL® CORE MOBILE PROCESSOR™ SKU DETAIL (45W)

PROCESSOR NAME	INTEL® CORE i7 PROCESSORS (H-SERIES)				INTEL® CORE i5 PROCESSORS (H-SERIES)		INTEL® CORE i3 PROCESSORS (H-SERIES)
	i7-6920HQ	i7-6820HQ	i7-6820HK	i7-6700HQ	i5-6440HQ	i5-6300HQ	i3-6100H
Processor Number	i7-6920HQ	i7-6820HQ	i7-6820HK	i7-6700HQ	i5-6440HQ	i5-6300HQ	i3-6100H
Cores/ Threads	4/8	4/8	4/8	4/8	4/4	4/4	2/4
Base Frequency (GHz)	2.9	2.7	2.7	2.6	2.6	2.3	2.7
INTEL® TURBO BOOST TECHNOLOGY 2.0	Maximum Single Core Turbo (GHz)	3.8	3.6	3.6	3.5	3.2	2.7
	Maximum Dual Core Turbo (GHz)	3.6	3.4	3.4	3.3	3.0	2.7
	Maximum Quad Core Turbo (GHz)	3.4	3.2	3.2	3.1	2.8	N/A
Graphics	Intel® HD Graphics 530	Intel® HD Graphics 530	Intel® HD Graphics 530	Intel® HD Graphics 530	Intel® HD Graphics 530	Intel® HD Graphics 530	Intel® HD Graphics 530
Graphics Base / Maximum Freq (MHz)	350/1050	350/1050	350/1050	350/1050	350/950	350/950	350/900
LPDDR3 Memory Speed Support (MHz)	1866	1866	1866	1866	1866	1866	1866
DDR3L/DDR4 Memory Speed Support (MHz)	1600/2133	1600/2133	1600/2133	1600/2133	1600/2133	1600/2133	1600/2133
L3 Cache	8MB	8MB	8MB	6MB	6MB	6MB	3MB
TDP	45W	45W	45W	45W	45W	45W	35W
Tj (deg)	100	100	100	100	100	100	100
Intel® SIPP	2015	2015	–	–	2015	–	–
INTEL® TECHNOLOGIES	Intel® vPro™	X	X	–	–	X	–
	Intel TXT	X	X	–	–	X	–
	Intel VT-d	X	X	X	X	X	X
	Intel VT-x	X	X	X	X	X	X
	AES-NI	X	X	X	X	X	X
Package Type	BGA	BGA	BGA	BGA	BGA	BGA	BGA
1ku Pricing	\$568	\$378	\$378	\$378	\$250	\$250	\$225

## INTEL® XEON® MOBILE PROCESSOR™ SKU DETAIL (45W)

PROCESSOR NAME		INTEL® XEON® PROCESSORS (H-SERIES)	
Processor Number	E3-1535M v5	E3-1505M v5	
Cores/ Threads	4/8	4/8	
Base Frequency (GHz)	2.9	2.8	
INTEL® TURBO BOOST TECHNOLOGY 2.0	Maximum Single Core Turbo (GHz)	3.8	3.7
	Maximum Dual Core Turbo (GHz)	3.6	3.5
	Maximum Quad Core Turbo (GHz)	3.4	3.3
Graphics	Intel® HD Graphics P530	Intel® HD Graphics P530	
Graphics Base / Maximum Freq (MHz)	350/1050	350/1050	
LPDDR3 Memory Speed Support (MHz)	1866	1866	
DDR3L/DDR4 Memory Speed Support (MHz)	1600/2133	1600/2133	
L3 Cache	8MB	8MB	
TDP	45W	45W	
Tj (deg)	100	100	
Intel® SIPP	2015	2015	
INTEL® TECHNOLOGIES	Intel® vPro™	X	X
	Intel TXT	X	X
	Intel VT-d	X	X
	Intel VT-x	X	X
	AES-NI	X	X
Package Type	BGA	BGA	
1ku Pricing	\$623	\$434	

## 6TH GEN INTEL® CORE DESKTOP PROCESSOR™ SKU DETAIL (35W)

PROCESSOR NAME	INTEL® CORE i7 PROCESSORS (S-SERIES)	INTEL® CORE i5 PROCESSORS (S-SERIES)			INTEL® CORE i3 PROCESSORS (S-SERIES)		INTEL® PENTIUM® PROCESSORS (S-SERIES)		
Processor Number	i7-6700T	i5-6600T	i5-6500T	i5-6400T	i3-6300T	i3-6100T	G4500T	G4400T	
Cores/ Threads	4/8	4/4	4/4	4/4	2/4	2/4	2/2	2/2	
Base Frequency (GHz)	2.8	2.7	2.5	2.2	3.3	3.2	3.0	2.9	
INTEL® TURBO BOOST TECHNOLOGY 2.0	Maximum Single Core Turbo (GHz)	3.6	3.5	3.1	2.8	N/A	N/A	N/A	N/A
	Maximum Dual Core Turbo (GHz)	3.5	3.4	3.0	2.7	N/A	N/A	N/A	N/A
	Maximum Quad Core Turbo (GHz)	3.4	3.3	2.8	2.5	N/A	N/A	N/A	N/A
Graphics	Intel® HD Graphics 530	Intel® HD Graphics 530	Intel® HD Graphics 530	Intel® HD Graphics 530	Intel® HD Graphics 530	Intel® HD Graphics 530	Intel® HD Graphics 530	Intel® HD Graphics 510	
Graphics Base / Maximum Freq (MHz)	350/1100	350/1100	350/1100	350/950	350/950	350/950	350/950	350/950	
DDR4 Memory Speed Support (MHz)	2133	2133	2133	2133	2133	2133	2133	2133	
DDR3L Memory Speed Support (MHz)	1600	1600	1600	1600	1600	1600	1600	1600	
L3 Cache	8MB	6MB	6MB	6MB	4MB	3MB	3MB	3MB	
TDP <sup>1</sup>	35W	35W	35W	35W	35W	35W	35W	35W	
Tj (deg)	100	100	100	100	100	100	100	100	
Intel® SIPP	2015	2015	2015	–	–	–	–	–	
INTEL® TECHNOLOGIES	Intel® vPro™	X	X	X	–	–	–	–	
	Intel TXT	X	X	X	–	–	–	–	
	Intel VT-d	X	X	X	X	X	X	X	
	Intel VT-x	X	X	X	X	X	X	X	
	AES-NI	X	X	X	X	X	X	X	
Package Type	LGA	LGA	LGA	LGA	LGA	LGA	LGA	LGA	
1ku Pricing	Tray \$303	Tray \$213	Tray \$192	Tray \$182	Tray \$138	Tray \$117	Tray \$75	Tray \$64	

## 6TH GEN INTEL® CORE DESKTOP PROCESSOR™ SKU DETAIL (65W)

PROCESSOR NAME	INTEL® CORE i7 PROCESSORS (S-SERIES)	INTEL® CORE i5 PROCESSORS (S-SERIES)			INTEL® CORE i3 PROCESSORS (S-SERIES)			INTEL® PENTIUM® PROCESSORS (S-SERIES)		
Processor Number	i7-6700	i5-6600	i5-6500	i5-6400	i3-6320	i3-6300	i3-6100	G4520	G4500	G4400
Cores/ Threads	4/8	4/4	4/4	4/4	2/4	2/4	2/4	2/2	2/2	2/2
Base Frequency (GHz)	3.4	3.3	3.2	2.7	3.9	3.8	3.7	3.6	3.5	3.4
INTEL® TURBO BOOST TECHNOLOGY 2.0	Maximum Single Core Turbo (GHz)	4.0	3.9	3.6	3.3	N/A	N/A	N/A	N/A	N/A
	Maximum Dual Core Turbo (GHz)	3.9	3.8	3.5	3.3	N/A	N/A	N/A	N/A	N/A
	Maximum Quad Core Turbo (GHz)	3.7	3.6	3.3	3.1	N/A	N/A	N/A	N/A	N/A
Graphics	Intel® HD Graphics 530	Intel® HD Graphics 530	Intel® HD Graphics 530	Intel® HD Graphics 530	Intel® HD Graphics 530	Intel® HD Graphics 530	Intel® HD Graphics 530	Intel® HD Graphics 530	Intel® HD Graphics 530	Intel® HD Graphics 510
Graphics Base / Maximum Freq (MHz)	350/ 1150	350/ 1150	350/ 1050	350/ 950	350/ 1150	350/ 1150	350/ 1050	350/ 1050	350/ 1050	350/ 1050
DDR4 Memory Speed Support (MHz)	2133	2133	2133	2133	2133	2133	2133	2133	2133	2133
DDR3L Memory Speed Support (MHz)	1600	1600	1600	1600	1600	1600	1600	1600	1600	1600
L3 Cache	8MB	6MB	6MB	6MB	4MB	4MB	3MB	3MB	3MB	3MB
TDP <sup>1</sup>	65W	65W	65W	65W	47W	47W	47W	47W	47W	47W
Tj (deg)	100	100	100	100	100	100	100	100	100	100
Intel® SIPP	2015	2015	2015	-	-	-	-	-	-	-
INTEL® TECHNOLOGIES	Intel® vPro™	X	X	X	-	-	-	-	-	-
	Intel TXT	X	X	X	-	-	-	-	-	-
	Intel VT-d	X	X	X	X	X	X	X	X	X
	Intel VT-x	X	X	X	X	X	X	X	X	X
	AES-NI	X	X	X	X	X	X	X	X	X
Package Type	LGA	LGA	LGA	LGA	LGA	LGA	LGA	LGA	LGA	LGA
1ku Pricing	Box \$312 Tray \$303	Box \$224 Tray \$213	Box \$202 Tray \$192	Box \$187 Tray \$182	Box \$157 Tray \$149	Box \$147 Tray \$138	Box \$117 Tray \$117	Box \$93 Tray \$86	Box \$82 Tray \$75	Box \$64 Tray \$64

## 6TH GEN INTEL® CORE DESKTOP PROCESSOR™ SKU DETAIL (91W)

PROCESSOR NAME		INTEL® CORE™ i7 PROCESSORS (S-SERIES)	INTEL® CORE™ i5 PROCESSORS (S-SERIES)
Processor Number		i7-6700K	i5-6600K
Cores/ Threads		4/8	4/4
Base Frequency (GHz)		4.0	3.5
INTEL® TURBO BOOST TECHNOLOGY 2.0	Maximum Single Core Turbo (GHz)	4.2	3.9
	Maximum Dual Core Turbo (GHz)	4.0	3.8
	Maximum Quad Core Turbo (GHz)	4.0	3.6
Graphics		Intel® HD Graphics 530	Intel® HD Graphics 530
Graphics Base / Maximum Freq (MHz)		350/1150	350/1150
DDR4 Memory Speed Support (MHz)		2133	2133
DDR3L Memory Speed Support (MHz)		1600	1600
L3 Cache		8MB	6MB
TDP <sup>1</sup>		91W	91W
Tj (deg)		100	100
Intel® SIPP		–	–
INTEL® TECHNOLOGIES	Intel® vPro™	–	–
	Intel TXT	–	–
	Intel VT-d	X	X
	Intel VT-x	X	X
	AES-NI	X	X
Package Type		LGA	LGA
1ku Pricing		Box \$350 Tray \$339	Box \$243 Tray \$242