



## List of HD Graphics for Intel® Core™ Desktop Processors for i7

Click the link in the Processor Number column to find more features

Processor Number	Brand Modifier	Intel® Core™ Generation	# of Cores	Max Turbo Frequency (GHz)	Cache (MB)	Processor Base Power (previously Thermal Design Power (TDP)) (W)	Max Memory Size (dependent on memory type) GB	Memory Types	Supported Socket	Intel® Processor Graphics	Graphics Max Dynamic Frequency (GHz)	Max Resolution for HDMI, Max Resolution for DP, Max Resolution for (eDP - Integrated Flat Panel)
<a href="#">i7-13700F</a>	i7	13th	16	5.20	30	65	128	Up to DDR5 5600, Up to DDR4 3200	LGA1700	No*	N/A	N/A
<a href="#">i7-13700</a>	i7	13th	16	5.20	30	65	128	Up to DDR5 5600, Up to DDR4 3200	LGA1700	UHD 770	1.60	HDMI: 4096 x 2160 @ 60Hz DP: 7680 x 4320 @ 60Hz eDP: 5120 x 3200 @ 120Hz
<a href="#">i7-13700T</a>	i7	13th	16	4.90	30	35	128	Up to DDR5 5600, Up to DDR4 3200	LGA1700	UHD 770	1.60	HDMI: 4096 x 2160 @ 60Hz DP: 7680 x 4320 @ 60Hz eDP: 5120 x 3200 @ 120Hz
<a href="#">i7-13700K</a>	i7	13th	16	5.40	30	125	128	Up to DDR5 5600, Up to DDR4 3200	LGA1700	UHD 770	1.60	HDMI: 4096 x 2160 @ 60Hz DP: 7680 x 4320 @ 60Hz eDP: 5120 x 3200 @ 120Hz
<a href="#">i7-13700KF</a>	i7	13th	16	5.40	30	125	128	Up to DDR5 5600, Up to DDR4 3200	LGA1700	No*	N/A	N/A
<a href="#">i7-12700</a>	i7	12th	12	4.90	25	65	128	Up to DDR5-4800, Up to DDR4-3200	LGA1700	UHD 770	1.50	HDMI: 4096 x 2160 @ 60Hz DP: 7680 x 4320 @ 60Hz eDP: 5120 x 3200 @ 120Hz
<a href="#">i7-12700F</a>	i7	12th	12	4.90	25	65	128	Up to DDR5-4800, Up to DDR4-3200	LGA1700	No*	N/A	N/A
<a href="#">i7-12700K</a>	i7	12th	12	5.00	25	125	128	Up to DDR5-4800, Up to DDR4-3200	LGA1700	UHD 770	1.50	HDMI: 4096 x 2160 @ 60Hz DP: 7680 x 4320 @ 60Hz eDP: 5120 x 3200 @ 120Hz
<a href="#">i7-12700KF</a>	i7	12th	12	5.00	25	125	128	Up to DDR5-4800, Up to DDR4-3200	LGA1700	No*	N/A	N/A
<a href="#">i7-12700T</a>	i7	12th	12	4.70	25	35	128	Up to DDR5-4800, Up to DDR4-3200	LGA1700	UHD 770	1.50	HDMI: 4096 x 2160 @ 60Hz DP: 7680 x 4320 @ 60Hz eDP: 5120 x 3200 @ 120Hz
<a href="#">i7-11700</a>	i7	11th	8	4.90	16	65	128	DDR4-3200	LGA1200	UHD 750	1.30	HDMI: 4096 x 2304 @ 24Hz DP: 3840 x 2160 @ 60Hz eDP: 3840x 2160 @ 60Hz
<a href="#">i7-11700T</a>	i7	11th	8	4.60	16	35	128	DDR4-3200	LGA1200	UHD 750	1.30	HDMI: 4096 x 2160 @ 60Hz DP: 5120 x 3200 @ 60Hz eDP: 5120 x 3200 @ 60Hz
<a href="#">i7-11700KF</a>	i7	11th	8	5.00	16	125	128	DDR4-3200	LGA1200	No*	N/A	N/A
<a href="#">i7-11700K</a>	i7	11th	8	5.00	16	125	128	DDR4-3200	LGA1200	UHD 750	1.30	HDMI: 4096 x 2160 @ 60Hz DP: 5120 x 3200 @ 60Hz eDP: 5120 x 3200 @ 60Hz
<a href="#">i7-11700F</a>	i7	11th	8	4.90	16	65	128	DDR4-3200	LGA1200	No*	N/A	N/A
<a href="#">i7-10700T</a>	i7	10th	8	4.50	16	35	128	DDR4-2933	LGA1200	UHD 630	1.20	HDMI: 4096 x 2304 @ 24Hz DP: 3840 x 2160 @ 60Hz eDP: 3840x 2160 @ 60Hz
<a href="#">i7-10700KF</a>	i7	10th	8	5.10	16	125	128	DDR4-2933	LGA1200	No*	N/A	N/A
<a href="#">i7-10700K</a>	i7	10th	8	5.10	16	125	128	DDR4-2933	LGA1200	UHD 630	1.20	HDMI: 4096 x 2160 @ 30Hz DP: 4096 x 2304 @ 60Hz eDP: 4096 x 2304 @ 60Hz
<a href="#">i7-10700F</a>	i7	10th	8	4.80	16	65	128	DDR4-2933	LGA1200	No*	N/A	N/A
<a href="#">i7-10700</a>	i7	10th	8	4.80	16	65	128	DDR4-2933	LGA1200	UHD 630	1.20	HDMI: 4096 x 2160 @ 30Hz DP: 4096 x 2304 @ 60Hz eDP: 4096 x 2304 @ 60Hz

<a href="#">i7-9700T</a>	i7	9th	8	4.30	12	35	128	DDR4-2666	LGA1151	UHD 630	1.20	HDMI: 4096 x 2304 @ 24Hz DP: 4096 x 2304 @ 60Hz eDP: 4096 x 2304 @ 60Hz
<a href="#">i7-9700F</a>	i7	9th	8	4.70	12	65	128	DDR4-2666	LGA1151	No*	N/A	N/A
<a href="#">i7-9700</a>	i7	9th	8	4.70	12	65	128	DDR4-2666	LGA1151	UHD 630	1.20	HDMI: 4096 x 2304 @ 24Hz DP: 4096 x 2304 @ 60Hz eDP: 4096 x 2304 @ 60Hz
<a href="#">i7-9700KF</a>	i7	9th	8	4.90	12	95	128	DDR4-2666	LGA1151	No*	N/A	N/A
<a href="#">i7-9800X</a>	i7	X-series	8	4.50	16.5	165	128	DDR4-2666	LGA2066	No*	N/A	N/A
<a href="#">i7-9700K</a>	i7	9th	8	4.90	12	95	128	DDR4-2666	LGA1151	UHD 630	1.20	HDMI: 4096 x 2304 @ 24Hz DP: 4096 x 2304 @ 60Hz eDP: 4096 x 2304 @ 60Hz
<a href="#">i7-8700T</a>	i7	8th	6	4.00	12	35	128	DDR4-2666	LGA1151	UHD 630	1.20	HDMI: 4096 x 2304 @ 24Hz DP: 4096 x 2304 @ 60Hz eDP: 4096 x 2304 @ 60Hz
<a href="#">i7+8700</a>	i7	8th	6	4.60	12	65	64	DDR4-2666	LGA1151	UHD 630	1.20	HDMI: 4096 x 2304 @ 24Hz DP: 4096 x 2304 @ 60Hz eDP: 4096 x 2304 @ 60Hz
<a href="#">i7-8086K</a>	i7	8th	6	5.00	12	95	128	DDR4-2666	LGA1151	UHD 630	1.20	HDMI: 4096 x 2304 @ 24Hz DP: 4096 x 2304 @ 60Hz eDP: 4096 x 2304 @ 60Hz
<a href="#">i7-8700K</a>	i7	8th	6	4.70	12	95	128	DDR4-2666	LGA1151	UHD 630	1.20	HDMI: 4096 x 2304 @ 24Hz DP: 4096 x 2304 @ 60Hz eDP: 4096 x 2304 @ 60Hz
<a href="#">i7-8700</a>	i7	8th	6	4.60	12	65	128	DDR4-2666	LGA1151	UHD 630	1.20	HDMI: 4096 x 2304 @ 24Hz DP: 4096 x 2304 @ 60Hz eDP: 4096 x 2304 @ 60Hz
<a href="#">i7-7820X</a>	i7	X-series	8	4.50	11	140	128	DDR4-2666	LGA2066	No*	N/A	N/A
<a href="#">i7-7800X</a>	i7	X-series	6	4.00	8.25	140	128	DDR4-2400	LGA2066	No*	N/A	N/A
<a href="#">i7-7740X</a>	i7	X-series	4	4.50	8	112	64	DDR4-2666	LGA2066	No*	N/A	N/A
<a href="#">i7-7700T</a>	i7	7th	4	3.80	8	35	64	DDR4-2133/2400, DDR3L-1333/1600	LGA1151	HD 630	1.15	HDMI: 4096 x 2304 @ 24Hz DP: 4096 x 2304 @ 60Hz eDP: 4096 x 2304 @ 60Hz
<a href="#">i7-7700K</a>	i7	7th	4	4.50	8	91	64	DDR4-2133/2400, DDR3L-1333/1600	LGA1151	HD 630	1.15	HDMI: 4096 x 2304 @ 24Hz DP: 4096 x 2304 @ 60Hz eDP: 4096 x 2304 @ 60Hz
<a href="#">i7-7700</a>	i7	7th	4	4.20	8	65	64	DDR4-2133/2400, DDR3L-1333/1600	LGA1151	HD 630	1.15	HDMI: 4096 x 2304 @ 24Hz DP: 4096 x 2304 @ 60Hz eDP: 4096 x 2304 @ 60Hz
<a href="#">i7-6950X</a>	i7	X-series	10	4.00	25	140	128	DDR4 2400/2133	LGA2011-3	No*	N/A	N/A
<a href="#">i7-6900K</a>	i7	X-series	8	4.00	20	140	128	DDR4 2400/2133	LGA2011-3	No*	N/A	N/A
<a href="#">i7-6850K</a>	i7	X-series	6	4.00	15	140	128	DDR4 2400/2133	LGA2011-3	No*	N/A	N/A
<a href="#">i7-6800K</a>	i7	X-series	6	3.80	15	140	128	DDR4 2400/2133	LGA2011-3	No*	N/A	N/A
<a href="#">i7-6700T</a>	i7	6th	4	3.60	8	35	64	DDR4-1866/2133, DDR3L-1333/1600	FCLGA1151	HD 530	1.15	HDMI: 4096 x 2304 @ 24Hz DP: 4096 x 2304 @ 60Hz eDP: 4096 x 2304 @ 60Hz
<a href="#">i7-6700K</a>	i7	6th	4	4.20	8	91	64	DDR4-1866/2133, DDR3L-1333/1600	FCLGA1151	HD 530	1.15	HDMI: 4096 x 2304 @ 24Hz DP: 4096 x 2304 @ 60Hz eDP: 4096 x 2304 @ 60Hz
<a href="#">i7-6700</a>	i7	6th	4	4.00	8	65	64	DDR4-1866/2133, DDR3L-1333/1600	FCLGA1151	HD 530	1.15	HDMI: 4096 x 2304 @ 24Hz DP: 4096 x 2304 @ 60Hz eDP: 4096 x 2304 @ 60Hz
<a href="#">i7-5960X</a>	i7	X-series	8	3.50	20	140	64	DDR4 1600/1866/2133	LGA2011-3	No*	N/A	N/A
<a href="#">i7-5930K</a>	i7	X-series	6	3.70	15	140	64	DDR4 1600/1866/2133	LGA2011-3	No*	N/A	N/A

<a href="#">i7-5820K</a>	i7	X-series	6	3.60	15	140	64	DDR4 1600/1866/2133	LGA2011-3	No*	N/A	N/A
<a href="#">i7-4785T</a>	i7	4th	4	3.20	8	35	32	DDR3-1333/1600, DDR3L-1333/1600	LGA1150	HD 4600	1.20	HDMI: 4096 x 2304 @ 24Hz DP: 3840 x 2160 @ 60Hz eDP: 3840x 2160 @ 60Hz
<a href="#">i7-4790</a>	i7	4th	4	4.00	8	84	32	DDR3-1333/1600, DDR3L-1333/1600	LGA1150	HD 4600	1.20	HDMI: 4096 x 2304 @ 24Hz DP: 3840 x 2160 @ 60Hz eDP: 3840x 2160 @ 60Hz
<a href="#">i7-4790K</a>	i7	4th	4	4.40	8	88	32	DDR3-1333/1600, DDR3L-1333/1600	LGA1150	HD 4600	1.25	HDMI: 3840 x 2160 @ 24Hz DP: 3840 x 2160 @ 60Hz eDP: 3840 x 2160 @ 60Hz
<a href="#">i7-4790S</a>	i7	4th	4	4.00	8	65	32	DDR3-1333/1600, DDR3L-1333/1600	LGA1150	HD 4600	1.20	HDMI: 4096 x 2304 @ 24Hz DP: 3840 x 2160 @ 60Hz eDP: 3840x 2160 @ 60Hz
<a href="#">i7-4790T</a>	i7	4th	4	3.90	8	45	32	DDR3-1333/1600, DDR3L-1333/1600	LGA1150	HD 4600	1.20	HDMI: 4096 x 2304 @ 24Hz DP: 3840 x 2160 @ 60Hz eDP: 3840x 2160 @ 60Hz
<a href="#">i7-4771</a>	i7	4th	4	3.90	8	84	32	DDR3-1333/1600, DDR3L-1333/1600	LGA1150	HD 4600	1.10	HDMI: 4096 x 2304 @ 24Hz DP: 3840 x 2160 @ 60Hz eDP: 3840x 2160 @ 60Hz
<a href="#">i7-4820K</a>	i7	4th	4	3.90	10	130	64	DDR3 1333/1600/1866	LGA2011	No*	N/A	N/A
<a href="#">i7-4930K</a>	i7	4th	6	3.90	12	130	64	DDR3 1333/1600/1866	LGA2011	No*	N/A	N/A
<a href="#">i7-4960X</a>	i7	X-series	6	4.00	15	130	64	DDR3 1333/1600/1866	LGA2011	No*	N/A	N/A
<a href="#">i7-4765T</a>	i7	4th	4	3.00	8	35	32	DDR3-1333/1600, DDR3L-1333/1600	LGA1150	HD 4600	1.20	HDMI: 4096 x 2304 @ 24Hz DP: 3840 x 2160 @ 60Hz eDP: 3840x 2160 @ 60Hz
<a href="#">i7-4770</a>	i7	4th	4	3.90	8	84	32	DDR3-1333/1600, DDR3L-1333/1600	LGA1150	HD4600	1.20	HDMI: 4096 x 2304 @ 24Hz DP: 3840 x 2160 @ 60Hz eDP: 3840x 2160 @ 60Hz
<a href="#">i7-4770K</a>	i7	4th	4	3.90	8	84	32	DDR3-1333/1600, DDR3L-1333/1600	LGA1150	HD 4600	1.25	HDMI: 4096 x 2304 @ 24Hz DP: 3840 x 2160 @ 60Hz eDP: 3840x 2160 @ 60Hz
<a href="#">i7-4770R</a>	i7	4th	4	3.90	6	65	32	DDR3 & DDR3L 1333/1600	FCBGA1364	HD 5200	1.30	HDMI: 3840 x 2160 @ 30Hz DP: 3840 x 2160 @ 60Hz
<a href="#">i7-4770S</a>	i7	4th	4	3.90	8	65	32	DDR3-1333/1600, DDR3L-1333/1600	LGA1150	HD 4600	1.20	HDMI: 4096 x 2304 @ 24Hz DP: 3840 x 2160 @ 60Hz eDP: 3840x 2160 @ 60Hz
<a href="#">i7-4770T</a>	i7	4th	4	3.70	8	45	32	DDR3-1333/1600, DDR3L-1333/1600	LGA1150	HD 4600	1.20	HDMI: 4096 x 2304 @ 24Hz DP: 3840 x 2160 @ 60Hz eDP: 3840x 2160 @ 60Hz

\* Discrete Graphics Required