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: <https://nationalpcbuilder.com/graphics-card-gpu-power-consumption-comparison-chart/>

RTX 40-Series Graphics Cards

GPU	TGP/TDP	Watts Used When Gaming	Watts Used When Idle	Multi-Monitor Usage	Media Playback Wattage	Transient Power Spikes
Geforce RTX 4090	450 Watts	346 Watts	21 Watts	28 Watts	26 Watts	500 Watts
Geforce RTX 4080	320 Watts	251 Watts	13 Watts	25 Watts	21 Watts	490 Watts
Geforce RTX 4070 Ti	285 Watts	226 Watts	12 Watts	22 Watts	20 Watts	510 Watts
Geforce RTX 4070	200 Watts	200 Watts	12 Watts	20 Watts	20 Watts	235 Watts
Geforce RTX 4060 Ti	165 Watts	150 Watts	7 Watts	12 Watts	15 Watts	190 Watts
Geforce RTX 4060	115 Watts	125 Watts	11 Watts	17 Watts	17 Watts	200 Watts

RTX 30-Series Graphics Cards

GPU	TGP/TDP	Watts Used When Gaming	Watts Used When Idle	Multi-Monitor Usage	Media Playback	Transient Power Spikes
Geforce RTX 3050	130 Watts	115 Watts	7 Watts	13 Watts	12 Watts	148 Watts
Geforce RTX 3060	170 Watts	170 Watts	8 Watts	13 Watts	18 Watts	195 Watts
Geforce RTX 3060 Ti	200 Watts	200 Watts	9 Watts	17 Watts	15 Watts	200 Watts
Geforce RTX 3070	220 Watts	220 Watts	9 Watts	18 Watts	17 Watts	245 Watts
Geforce RTX 3070 Ti	290 Watts	290 Watts	10 Watts	19 Watts	18 Watts	310 Watts
Geforce RTX 3080	350/320 Watts	320 Watts	10 Watts	20 Watts	27 Watts	380 Watts
Geforce RTX 3080 Ti	350 Watts	340 Watts	16 Watts	26 Watts	28 Watts	375 Watts
Geforce RTX 3090	350 Watts	345 Watts	18 Watts	26 Watts	31 Watts	465 Watts
Geforce RTX 3090 Ti	450 Watts	400 Watts	21 Watts	40 Watts	42 Watts	485 Watts

RTX 20-Series Graphics Cards

GPU	TGP/TDP	Watts Used When Gaming	Watts Used When Idle	Multi-Monitor Usage	Media Playback	Transient Power Spikes
Geforce RTX 2080 Ti	260 Watts	260 Watts	14 Watts	26 Watts	19 Watts	265 Watts
Geforce RTX 2080 Super	250 Watts	250 Watts	11 Watts	19 Watts	15 Watts	280 Watts
Geforce RTX 2080	225 Watts	212 Watts	11 Watts	15 Watts	16 Watts	280 Watts
Geforce RTX 2070 Super	215 Watts	215 Watts	9 Watts	16 Watts	14 Watts	230 Watts
Geforce RTX 2070	185 Watts	185 Watts	9 Watts	18 Watts	15 Watts	215 Watts
Geforce RTX 2060 Super	175 Watts	175 Watts	8 Watts	14 Watts	13 Watts	345 Watts
Geforce RTX 2060	185/160 Watts	175 Watts	8 Watts	13 Watts	15 Watts	188 Watts

RTX 16-Series Graphics Cards

PU	TGP/TDP	Watts Used When Gaming	Watts Used When Idle	Multi-Monitor Usage	Media Playback	Transient Power Spikes
Geforce GTX 1660 Ti	120 Watts	120 Watts	10 Watts	19 Watts	11 Watts	130 Watts
Geforce GTX 1660 Super	125 Watts	125 Watts	9 Watts	18 Watts	13 Watts	138 Watts
Geforce GTX 1660	120 Watts	120 Watts	9 Watts	17 Watts		130 Watts
Geforce GTX 1650 Super	100 Watts	100 Watts	8 Watts	16 Watts	11 Watts	120 Watts
Geforce GTX 1650 (G5)	75 Watts	75 Watts	7 Watts			
Geforce GTX 1650 (G6)	75 Watts	75 Watts	7 Watts			
Geforce GTX 1630	75 Watts	75 Watts	7 Watts	15 Watts		100 Watts

RTX 10-Series Graphics Cards

GPU	TGP/TDP	Watts Used When Gaming	Watts Used When Idle	Multi-Monitor Usage	Media Playback	Transient Power Spikes
Geforce GTX 1080 Ti	250 Watts	230 Watts	10 Watts	11 Watts	13 Watts	300 Watts
Geforce GTX 1080	180 Watts	165 Watts	6 Watts	8 Watts	7 Watts	185 Watts
Geforce GTX 1070 Ti	180 Watts	170 Watts	10 Watts	13-18 Watts	12 Watts	290 Watts
Geforce GTX 1070	150 Watts	145 Watts	6 Watts	7 Watts	7 Watts	155 Watts
Geforce GTX 1060	120 Watts	114 Watts	8 Watts	9 Watts	6 Watts	136 Watts
Geforce GTX 1050 Ti						
Geforce GTX 1050						

AMD Radeon Series Graphics Cards

GPU	TGP/TDP	Watts Used When Gaming	Watts Used When Idle	Multi-Monitor Usage	Media Playback	Transient Power Spikes
AMD Radeon RX 6950 XT	335 Watts	335 Watts	7 Watts	48 Watts	50 Watts	445 Watts
AMD Radeon RX 6900 XT	300 Watts	300 Watts	20 Watts	40 Watts	48 Watts	325 Watts
AMD Radeon RX 6800 XT	280 Watts	280 Watts	7 Watts	7 Watts	47 Watts	324 Watts
AMD Radeon RX 6800	250 Watts	250 Watts	7 Watts	8 Watts	48 Watts	305 Watts
AMD Radeon RX 6750 XT	230 Watts	230 Watts	8 Watts	39 Watts		293 Watts
AMD Radeon RX 6700 XT	230 Watts	220 Watts	7 Watts	33 Watts	21 Watts	320 Watts
AMD Radeon RX 6600 XT	160 Watts	180 Watts	4 Watts	20 Watts	10-11 Watts	220 Watts
AMD Radeon VII	295 Watts	268 Watts	12 Watts	12 watts	15 Watts	350 Watts
AMD Radeon RX 5700 XT	225 Watts	220 Watts	8 Watts	36 Watts	10 Watts	258 Watts
AMD Radeon Pro W5700	205 Watts	205 Watts	12 Watts	38 Watts		286 Watts
AMD Radeon RX 5700	185 Watts	165 Watts	7 Watts	35 Watts	10 Watts	185 Watts
AMD Radeon RX Vega 64	295 Watts	285 Watts	18 Watts	25 Watts	20 Watts	385 Watts
AMD Radeon RX 5600 XT	150 Watts	145 Watts	12 Watts	34 Watts	17 Watts	190 Watts

GPU	TGP/TDP	Watts Used When Gaming	Watts Used When Idle	Multi-Monitor Usage	Media Playback	Transient Power Spikes
AMD Radeon RX Vega 56	210 Watts	229 Watts	14 Watts	16 Watts	19 Watts	237 Watts
AMD Radeon PRO WX 8200						
AMD Radeon RX 6500 XT	130 Watts	100 Watts	2 Watts	11 Watts		170 Watts
AMD Radeon RX 5500 XT	130 Watts	117 Watts	4 Watts	18 Watts	10 Watts	170 Watts
AMD Radeon RX 590						
AMD Radeon RX 580						
AMD Radeon RX 570						
AMD Radeon RX 560						

AMD RX 7000 Series Graphics Cards

GPU	TGP/TDP	Watts Used When Gaming	Watts Used When Idle	Multi-Monitor Usage	Media Playback	Transient Power Spikes
RX 7900 XT	315 Watts	320 Watts	11 Watts	85 Watts	75 Watts	415 Watts
RX 7900 XTX	355 Watts	345 Watts	28 Watts	100 Watts	88 Watts	455 Watts

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