

ASRock Intel ARC GPU Specs

Manufacturer	ASRock	ASRock	ASRock
Model Number	A770	A750	A380
ASI SKU	268914	268913	268087
Microarchitecture	Xe HPG	Xe HPG	Xe HPG
Lithography Type	TSMC N6	TSMC N6	TSMC N6
Vertical Segment	Desktop	Desktop	Desktop
GPU Specifications			
Xe-cores	32	28	8
Render Slices	8	7	2
Ray Tracing Units	32	28	8
Intel® Xe Matrix Extensions (Intel® XMX) Engines	512	448	128
Xe Vector Engines	512	448	128
Graphics Clock	2100 MHz	2050 MHz	2000 MHz
TBP	225 W	225 W	75 W
PCI Express Configurations †	Up to PCI Express 4.0 x16	Up to PCI Express 4.0 x16	Up to PCI Express 4.0 x8 (x16 slot required)
Memory Specifications			
Memory Size	8 GB	8 GB	6 GB
Memory Type	GDDR6	GDDR6	GDDR6
Graphics Memory Interface	256 bit	256 bit	96 bit
Graphics Memory Bandwidth	512 GB/s	512 GB/s	186 GB/s
Graphics Memory Speed	16 Gbps	16 Gbps	15.5 Gbps
Supported Technologies			
Ray Tracing	Yes	Yes	Yes
Variable Rate Shading (VRS)	Yes	Yes	Yes
DirectX* Support	DirectX 12 Ultimate	DirectX 12 Ultimate	DirectX 12 Ultimate
Vulkan* Support	1.3	1.3	1.3
OpenGL* Support	4.6	4.6	4.6
OpenCL* Support	3	3	3
Multi-Format Codec Engines	2	2	2
Adaptive Sync	Yes	Yes	Yes
I/O Specifications			
# of Displays Supported†	4	4	4
Graphics Output†	eDP* 1.4 DP 2.0 up to UHBR 10** HDMI* 2.1 HDMI* 2.0b	eDP* 1.4 DP 2.0 up to UHBR 10** HDMI* 2.1 HDMI* 2.0b	eDP* 1.4 DP 2.0 up to UHBR 10** HDMI* 2.1 HDMI* 2.0b

Max Resolution (HDMI)*	4096 x 2160@60Hz	4096 x 2160@60Hz	4096 x 2160@60Hz
Max Resolution (DP)*	7680 x 4320@60Hz	7680 x 4320@60Hz	7680 x 4320@60Hz
Features			
H.264 Hardware Encode/Decode	Yes	Yes	Yes
H.265 (HEVC) Hardware Encode/Decode	Yes	Yes	Yes
AV1 Encode/Decode	Yes	Yes	Yes
VP9 Bitstream & Decoding	Yes	Yes	Yes
Intel® Deep Link Technologies			
Intel® Deep Link Hyper Compute*	Yes	Yes	Yes
Intel® Deep Link Hyper Encode*	Yes	Yes	Yes
Intel® Deep Link Stream Assist*	Yes	Yes	Yes