

GAR-A770 **PRELIMINARY**

Advanced graphics card with Intel® Arc™ A770 GPU architecture



Features

- **High-Performance Graphics:** 2400MHz turbo frequency, 32 Xe-Cores, and 32 Ray Tracing Units
- **16GB GDDR6 Memory:** 256-bit interface, 17.5 Gbps memory speed.
- **Broad Compatibility:** PCIe 4.0 x16 interface for versatile motherboard compatibility.
- **Triple Display Support:** Simultaneous display outputs up to 7680 x 4320 @ 60Hz.
- **Video Encoding/Decoding:** H.264, H.265 (HEVC), AV1, and VP9 hardware support.
- **Advanced Technologies:** Ray tracing, variable rate shading (VSR), and DirectX 12 Ultimate.
- **Intel Deep Link Integration:** Benefit from Intel Deep Link features for enhanced AI and media processing

Specifications

System	
Graphics High Frequency	2100MHz
Graphics Turbo Frequency	2400MHz
Xe-Core	32
Render Slices	8
Ray Tracing Units	32
Intel® XMN Engines	512
Xe Vector Engines	512
Memory Size	16GB GDDR6
Graphics Memory Interface	256 bit
Graphics Memory Bandwidth	560 GB/s
Graphics Memory Speed	17.5 Gbps
Bus Type	PCI Express 4.0 x16
TBP	225W
Display output	DP 2.0 x 4 up to UHBR 10 + DVI
Resolution	DP: 7680 x 4320@60Hz; DVI: up to 4096 x 2304 @24Hz
H.264 Hardware Encode/Decode	Yes
H.265 (HEVC) Hardware Encode/Decode	Yes
AV1 Encode/Decode	Yes
VP9 Bitstream & Decoding	Yes
Features	
Ray Tracing	Yes
Variable Rate Shading (VSR)	Yes
DirectX Support	DirectX 12 Ultimate
Vulkan	1.3
OpenGL	4.6
OpenCL	3
Adaptive Sync	Yes
AV1 Encode / Decode	Yes
VP9 Bistream & Decoding	Yes
Intel Deep Link Hyper Compute	Yes
Intel Deep Link Hyper Encode	Yes
Intel Deep Link Stream Assist	Yes
Dimension	
Height	99mm
Length	291mm
Width	42mm
Requirement	
Minimum recommended PSU	550 Watt or greater
PCIe power connector	Two available 8-pin or 6+2pin
OS	Windows 11, Windows 10
Graphics slot	PCI Express 3.0, 4.0 or 5.0 compliant motherboard with one

Ordering Information

- GAR-A770-A10

Note: All specifications are subject to change without notice.