

AI Accelerator & GPU

Preliminary

PCIe IA380E-QUFL



Features

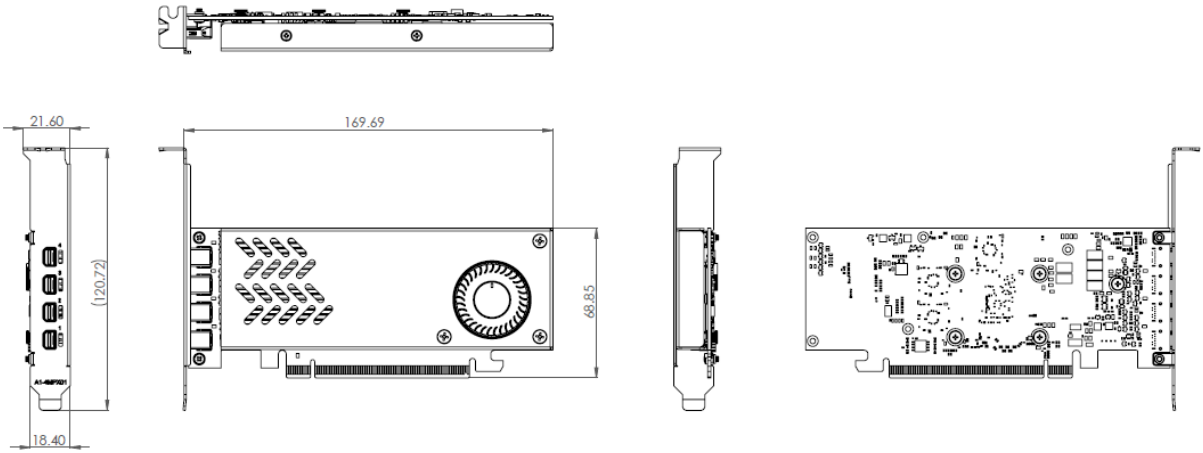
- Intel Arc A380E GPU for the edge
- 128 Intel® XMN Engines Cores, 8 X^e-cores, 8 Ray Tracing and 128 X^e Vector Engines, 6GB GDDR6 memory
- PCIe Gen 4 x16 interface via golden finger
- Five-year long-term product availability support

Specifications

| Model Number | IA380E-QUFL-A1 |
|-------------------|--|
| GPU Engine Specs | Intel Arc A380E Architecture: Intel Arc Xe-cores: 8 Intel® XMN Engines Cores: 128 Xe Vector Engines: 128 RT Cores: 8 Core Clock (MHz): 2000(Base) / 2250(Boost) _TBD Floating Point Performance: 4.096 TFLOPS _ TBD |
| Memory Specs | Size: 6GB GDDR6 Clock: 15.5 Gbps Interface Width: 96-bit Bandwidth (GB/sec): 186 |
| Feature Support | PCI Express 4.0 x8 DirectX: 12 Ultimate OpenVINO OpenCL 3.0 OpenGL 4.6 Vulkan 1.3 AV1 hardware encoding/decoding |
| Display | Resolution: 7680x4320 ¹ Max: 4x Display Display connector: Mini DisplayPort |
| Power Consumption | Total Graphics Power (TGP): 50W (TBD) Min. System Power Requirement ² : 350W or better power supply |
| Form Factor | Low-profile / Single slot |
| Dimensions (WxD) | 169.69 x 68.85 mm (6.68" x 2.71") |
| Net Weight | 0.248 kg (0.5467 lb) (TBD) |
| Temperature | Standard: Operating Temp. :0 to + 55°C (32°F ~131°F)/ Storage Temperature: -40 to + 85°C (- 40°F ~ 185°F) |
| Humidity | 10~90%, Non-condensing |
| OS Support | Windows 10/11 64-bit |
| Certification | CE/FCC/UKCA |

1. Up to 4k 12-bit HDR at 240Hz with DP1.4a+DSC. Up to 8k 12-bit HDR at 60Hz with DP 1.4a+DSC or HDMI2.1+DSC. With dual DP1.4a+DSC, up to 8K HDR at 120Hz.
 2. Requirement is made based on PC configured with an Intel Core i9-10900K processor. A lower power rating may work depending on system configuration.

System & Mounting Dimensions



Ordering Information

| Model name | Description |
|----------------|--|
| IA380E-QUFL-A1 | PCI-Express 16X, Intel Arc A380E, 6GB GDDR6, 4x mini DP, 50W, 0°C to +55°C |

Accessory (Optional)

| Part No. | Description |
|----------|-------------|
| TBD. | |

