

EAI-3100

PCIe x16 Intel Arc A370M Embedded GPU Card with 2x HDMI 2.0b + 2x DP1.4a

NEW



Features

- Intel Arc A370M with 8 Xe-cores, support up to PCI Express 4.0 x8
- PCIe x16 GPU Card Design easy to fit diverse AI applications
- GPU Clock 1550 MHz Base Clock, GDDR6 4GB 64 bit Memory
- High Resolution 8K DP1.4a x2 + 4K HDMI 2.0b x2, up to 4 Displays
- Smart Fan Control by GPU Temperature Automatically
- 0-60°C Working Temperature support
- Intel® Deep Link Technologies and OpenVINO support
- DirectX12, OpenGL 4.6, OpenCL 3.0, H.264/H.265 (HEVC)/AV1 hardware encode/decode supported

OpenVINO



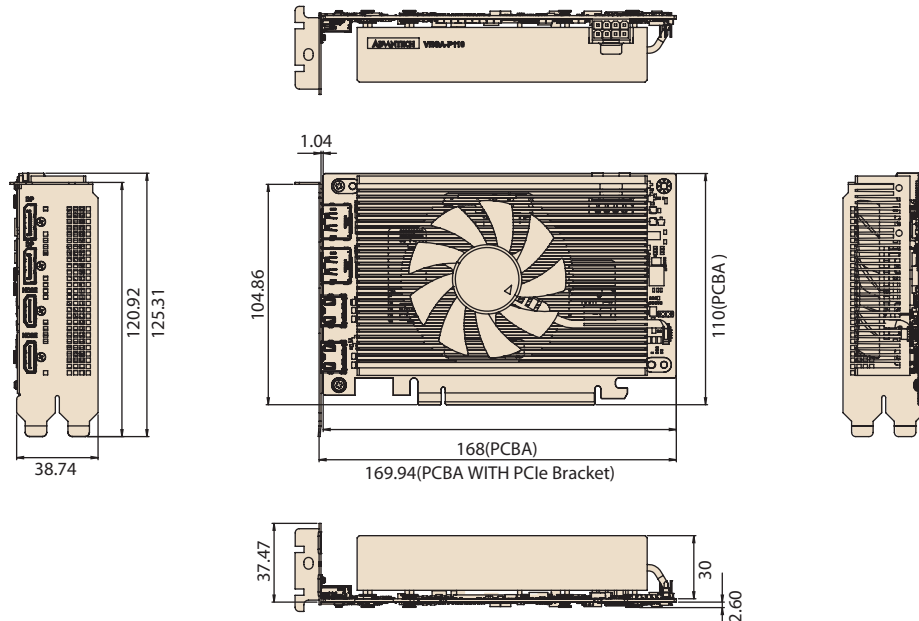
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Specification

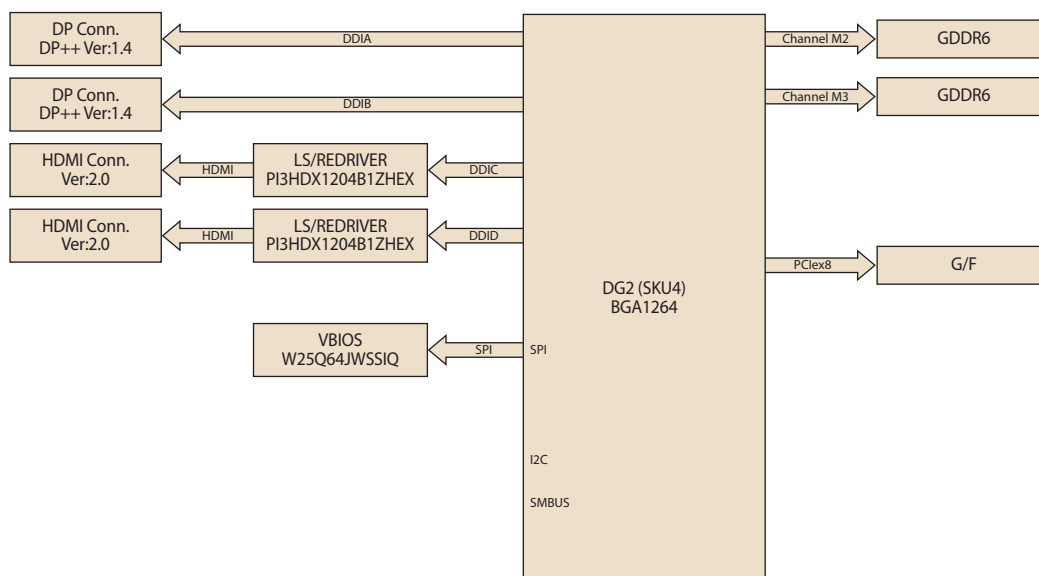
		EAI-3100-41A1
Processor System	GPU	Intel Arc A370M
	Microarchitecture	Xe HPG
	Xe-cores	8
	Intel XMX Engines	128
	Graphics Clock	1550 MHz
	FP32 Performance	4.198 TFLOPS
Memory	Size	4 GB
	Type	GDDR6
	Interface	64 bit
	Bandwidth	112 GB/s
	Speed	14 Gbps
Graphics	DP	2x DisplayPort1.4a
	DP Max Resolution	7680 x 4320@60Hz
	HDMI	2x HDMI 2.0b
	HDMI Max Resolution	4096 x 2160@60Hz
	Quad Display	Yes, 2x DP and 2x HDMI
	Graphics Engine	DirectX12, OpenGL 4.6, OpenCL 3.0 HW Encode: H.264/H.265(HEVC)/AV1 HW Decode: H.264/H.265(HEVC)/AV1/VP9
Signal Interface	PCI Express	PCI Express 4.0 x16 (PCIe x8 signal)
Power	Max Power Consumption	60W
Operating	Temperature	0 – 60°C (depends on GPU and cooler solution)
Environment	Humidity	40 °C @ 85% relative humidity (non-condensing)
Thermal Solution	Cooling	Active Fan 12V,4 pin PH 1.25mm connector
Physical	Dimensions (W x H x D)	168 x 110 x 34.8 mm (Dual Slot)
	Form Factor	PCI Express 4.0 x16
	Power Connector	8-pin Power input
	Power Range	DC 12V input
OS	Linux	Ubuntu 22.04 LTS
	Windows	Windows 11, 10 64bit

Dimensions

Unit: mm



Block Diagram



Ordering Information

Part Number	Description
EAI-3100-41A1	Intel Arc mobile A370M GPU card, PCIe x16