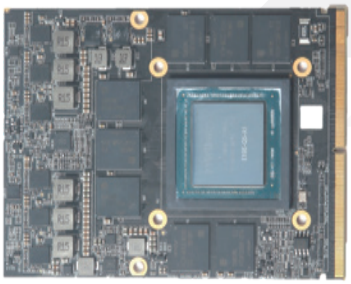
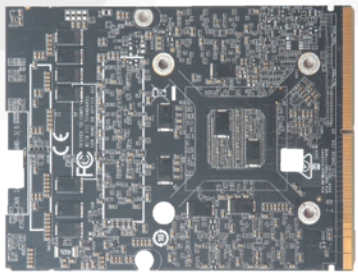
PCP SOLUTIONS

NVIDIA Quadro RTX 5000 MXM 3.1 Type B module

The EMB-G608-A0 MXM 3.1 Type B module features a NVIDIA® Quadro® RTX 5000 embedded graphics processor based on NVIDIA Turing architecture. It provides graphics intensive acceleration and real time ray-tracing capability for applications like scientific and medical visualization, digital content creation (DCC), artificial intelligence (AI) and machine learning (ML).





SPECIFICATIONS

GPU model	NVIDIA Quadro RTX 5000
SKU	EMB-G608-A0
GPU Product P/N	E19E-Q5-A1
GPU Architecture	Turing with 3,072 CUDA cores and 384 Tensor cores
GPU/Boost Clock	1,035Mhz, 1,365MHz
Graphics Memory	16 GB 256-bit GDDR6. 448GB/s memory bandwidth
Graphics Performance	Max. 9.5 TFLOPS peak FP32
Weight	60.7 grams
Form Factor	MXM 3.1 Type B. 82mm(W) x 110mm (L)
Host interface	PCI Express 3.0 x16 lanes. Also support x8 lanes
Display output	5 x DisplayPort 1.4. Max simultaneous 4 output. Max resolution of each port 8K UHD@60Hz Support HDR, HDCP 1.2/1.4 (eDP, LVDS, VGA, USB-C display output are Not supported)
Power Consumption	110W Total Graphics Power (TGP)
Cooling System	Not included. Custom design available on request
Ambient	Operating: Temperature -10°C ~ +55°C with air flow. Humidity 10% – 90%, non-condensing (Ambient operating temperature range stated above is based on PC Partner's reference cooler. In customer's system the operating temperature range depends on thermal mechanical design.) Storage: Temperature -25°C ~ 80°C. Humidity 10 ~ 90%, non-condensing
Supported API	DirectX 12.1, Shader Model 5.1, OpenGL 4.6, OpenCL 1.2, Vulkan 1.1
Supported OS	Windows 10 64-bit, Linux 64-bit
Conformal Coating	None. Available on request
Packing	Non-brand bulk pack
Compliance	RoHS 2
MTBF	Approximately 68,260 hours at 25°C