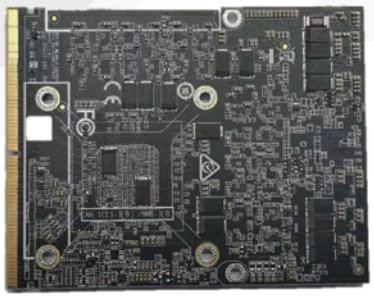
PCP SOLUTIONS

NVIDIA Quadro RTX 3000 MXM 3.1 Type B module

The EMB-G623-A0 MXM 3.1 Type B module features a NVIDIA® Quadro® RTX 3000 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 3000
SKU	EMB-G623-A0
GPU Product P/N	N19E-Q1-KD-A1
GPU Architecture	Turing with 1,920 CUDA cores, 30 RT cores, and 240 Tensor cores
GPU/Boost Clock	945Mhz, 1,380MHz
Graphics Memory	6 GB 192-bit GDDR6. 336GB/s memory bandwidth.
Graphics Performance	5.3 TFLOPS peak FP32
Form Factor	MXM 3.1 Type B. 82mm(W) x 105mm(L)
Weight	55.7g
Host interface	PCI Express 3.0 x16 lanes. Also support x8 lanes
Display output	5 x DisplayPort 1.4a. 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	80W Total Graphics Power (TGP)
Cooling System	Not included
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 73,442 hours at 25°C