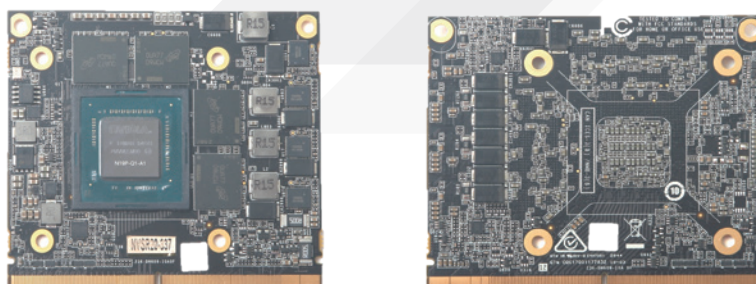# PCP SOLUTIONS

NVIDIA QUADRO

NVIDIA Quadro T1000 MXM 3.1 Type A module

The EMB-G609-A2 MXM 3.1 Type A module features a NVIDIA® Quadro® T1000 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 T1000
SKU	EMB-G609-A2
GPU Product P/N	N19P-Q1-A1
GPU Architecture	Turing with 896 CUDA cores
GPU/Boost Clock	1,395Mhz, 1,650MHz
Graphics Memory	4 GB 128-bit GDDR6. 128GB/s memory bandwidth
Graphics Performance	Max. FP 32 Pref. 2.7TF
Form Factor	MXM 3.1 Type A. 82mm(W) x 70mm(L)
Host interface	PCI Express 3.0 x16 lanes. Also support x8 lanes
Display output	4 x DisplayPort 1.4. Max resolution of each port 8K UHD@60Hz. Support HDR, HDCP 1.4/2.2 (eDP, LVDS, VGA, USB-C display output are not supported)
Input voltage	DC 12-19V, 3.3V & 5V; +/-5%
Power Consumption	50W 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 89,594 hours at 25°C

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