EMBEDDED SOLUTIONS
NVIDIA® TESLA® M6

Tesla GPGPU Application Acceleration in an MXM Type-B Form Factor.

The NVIDIA Tesla M6 MXM interface module offers the same Tesla performance, features, SDK and API support, exacting build standards, rigorous quality assurance, and broad ISV application compatibility, as desktop PCIe or SXM based Tesla products.

Designed for the needs of embedded, ruggedized, or mobile system builders, the M6 makes Tesla compute (GPU-accelerated) capabilities available to form factors unsuited for traditional PCI Express expansion cards, tolerate wide ranging thermal and other environmental conditions, are ideal for blade or other deployments where high GPU density is an important consideration, offer ECC GPU memory support, extremely reasonable power requirements, and support all industry leading GPGPU (General Purpose GPU) compute APIs.

Coupled with NVIDIA's CUDA© parallel computing platform and programming model, you can send C, C++ and Fortran code straight to the Tesla M6 GPU, no assembly language required, realizing considerable cost and time to market advantages over competing FPGA or ASIC approaches.

THE PNY ADVANTAGE

PNY provides unsurpassed service and commitment to its embedded and OEM Tesla customers, including extensive pre-sales development and technical consulting by specialized Field Application Engineers, access to technical documentation required for systems integration (e.g. Thermal Design guides), bug reporting, product lifecycle management information, and much more.

For additional information or other product inquiries email **MXM@pny.com**.

M6 MODULE FEATURES

> MXM 3.1 Type B form factor (82 mm x 105 mm)
> 1536 CUDA cores
> 2.2 TFLOPS peak FP32 performance
> 8 GB GDDR5 ECC memory
> 147 GB/s peak memory bandwidth
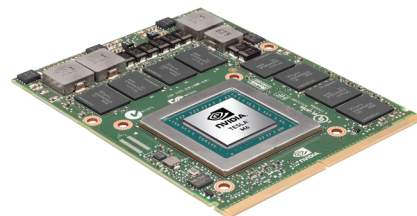> Maximum power 100 W
> 5-year availability

ENVIRONMENTAL

> Operating temperature range of 0 °C to 55 °C
> Storage temperature -40 °C to 125 °C
> Operating RH 5% to 90%
> Storage RH 5% to 95%

WARRANTY AND SUPPORT

> 3-year warranty
> Pre- and post-sales technical support
> Field Application Engineers available
> U.S. based direct Quadro technical support hot line

PNY PART NUMBERS	TCSCM6-KIT
Compute APIs	CUDA, DirectCompute, OpenCL™
Operating System Support	Windows Linux

TESLA M6 MXM