

GeForce GTX 970M



Based on NVIDIA's Maxwell architecture **GeForce GTX 970M** GPU, this MXM module offers twice the performance over previous-generation chip sets while delivering unmatched power efficiency. The GeForce GTX 970M delivers unsurpassed graphics, video and GPU computing performance and is an Ideal solution for performance driven systems such as medical imaging, gaming, defense, and military/aerospace applications.

With 1280 CUDA cores, you can unlock the power of the GPU's processor cores to accelerate the most demanding tasks such as video transcoding, physics simulation, ray tracing, and more while delivering incredible performance improvements over traditional CPUs.

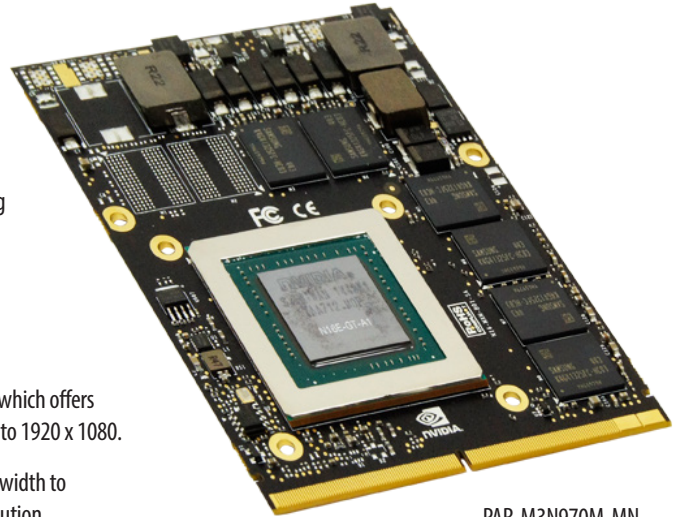
The compact MXM solution is perfectly geared towards the embedded market; based on the industry standard MXM 3.0 (105x82mm) small footprint design, the PAR-M3N970M-MN module offers flexibility and upgradability, perfect for performance and graphics intensive embedded applications.

The PAR-M3N970M-MN pushes image quality to new heights, supporting 4K, 3840x2160 resolution, which offers more than 80% visible quality increase when weighing in Pixels Per Degree of Vision (PPD) compared to 1920 x 1080.

Additionally, support for HDMI 2.0 for higher bandwidth and higher resolution provides enough bandwidth to output 4K at 60Hz over HDMI. This module also supports output simultaneously to multiple UHD resolution screens for a fantastic multimedia experience.

PAR-M3N970M-MN supports NVIDIA new Optimus technology which can seamlessly transition between NVIDIA graphics and an integrated graphics processor (IGP) which intelligently optimizes the application, providing outstanding graphics performance when you need it.

Supports: DirectX® 12 API , OpenGL® 4.4 ,OpenCL® 1.1 , HDMI 2.0 , Optimus™, Battery Boost, GPU Boost, Direct Compute and NVIDIA® PhysX



PAR-M3N970M-MN

| Part Number | PAR-M3N970M-MN |
|------------------|--|
| GPU | NVIDIA GeForce GTX 970M |
| Bus Type | MXM 3.1 / up to PCI Express 3.0 |
| Memory Size | 6GB 192bit/ DDR5 |
| CUDA Core | 1280 |
| Display Features | <ul style="list-style-type: none"> • LCD-eDP 1.2a (3840x2160) • LCD-LVDS (1920x1200) • VGA (2048x1536) • DisplayPort Multimode (3840x2160) • HDMI 2.0 (3840x2160) • Dual Link DVI (2560x1600) • Single Link DVI (1920x1200) |
| Board Power | 80W |
| Board Dimensions | MXM Graphics Module Version 3.0, Type B (105x82mm) |
| Thermal | — |
| Output Channels | 4 |
| Operation System | Windows® 7 Windows® 8 Windows® 8.1 Linux |

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