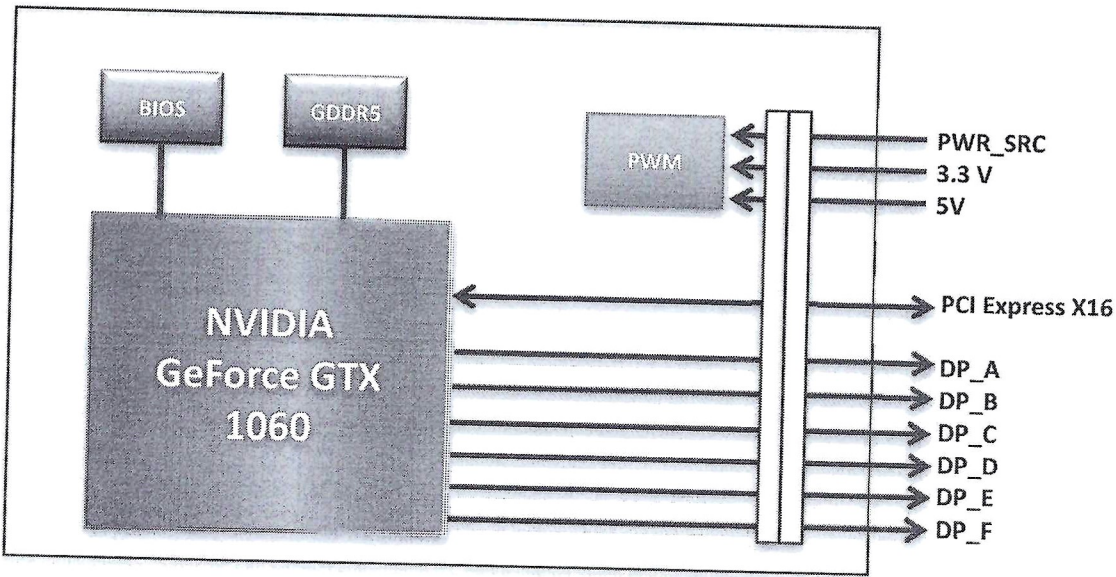
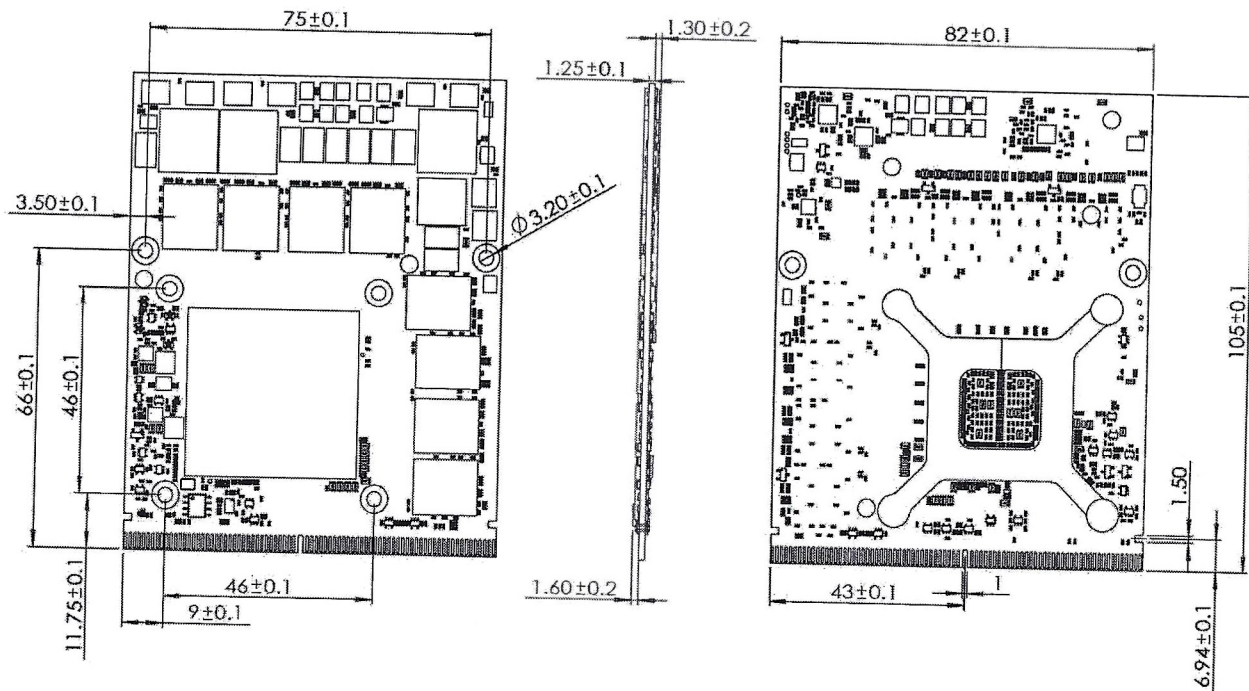


Block Diagram



Mechanical



Ordering Information

Module Number	Description
M3N1060-MN	MXM3.1 Type B, NVIDIA GeForce GTX 1060, 6GB GDDR5, 0°C to +55°C
M3N1060-MN-B	MXM3.1 Type B, NVIDIA GeForce GTX 1060, 6GB GDDR5, -20°C to +70°C
M3N1060-MN-BC	MXM3.1 Type B, NVIDIA GeForce GTX 1060, 6GB GDDR5, -20°C to +70°C with coating
M3N1060-MN-D	MXM3.1 Type B, NVIDIA GeForce GTX 1060, 6GB GDDR5, -40°C to +75°C
M3N1060-MN-DC	MXM3.1 Type B, NVIDIA GeForce GTX 1060, 6GB GDDR5, -40°C to +75°C with coating

M3N1060-MN

Features

- Powered by GeForce® GTX 1060 energy-efficiency mobile GPU.
- 1280 new-gen. Pascal architecture CUDA cores.
- DisplayPort 1.2 Certified, DisplayPort 1.3/1.4 Ready.
- Support NVIDIA CUDA™, Optimus™, DirectX® 12, OpenGL® 4.5, Vulkan and Direct Compute.
- Ideal for medical imaging, VR rendering, deep learning and defense applications.

Specifications

GPU Engine Specs

GPU	NVIDIA GeForce GTX 1060
GPU Clock (Base/Boost)	1404/1670 MHZ
NVIDIA® CUDA™ Cores	1280
BIOS Version	TBD
Floating Point Performance	3.59 TFLOPS

Memory Specs

Memory Size	6GB GDDR5
Memory Clock	8.0 Gbps
Memory Interface Width	192-bit
Memory Bandwidth (GB/sec)	192

Feature Support

Bus Support	PCI Express 3.0
Open GL	4.5
DirectX	12
Open CL	1.2

Operation System	Windows® 7 - 10 ¹ Linux
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Display Support

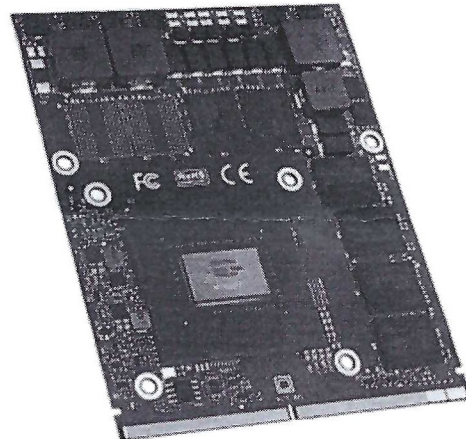
Max. Digital Display Support ²	7680x4320
Max. Analog Display Support	Not Support
Display Interface	DP_A: DisplayPort1.2 ³ , HDMI2.0b DP_B: DisplayPort1.2 ³ DP_C: DisplayPort1.2 ³ , HDMI2.0b DP_D: Internal/eDP1.4 only ⁴ DP_E: DisplayPort1.2 ³ , DVI (Single Link or Dual Link with DP_F) DP_F: DisplayPort1.2 ³ , DVI (Dual Link with DP_E)

Power Specs

Max. Board Power Consumption (W)	78 W
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Dimensions

Form Factor	MXM graphics module version 3.1, Type B
Length	105 mm
Height	82 mm

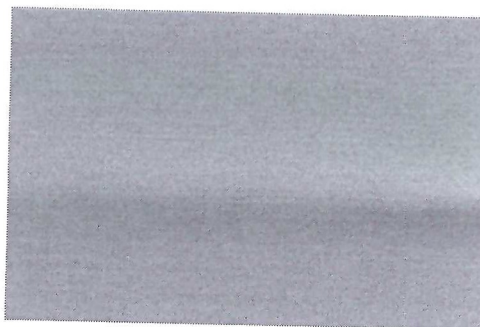
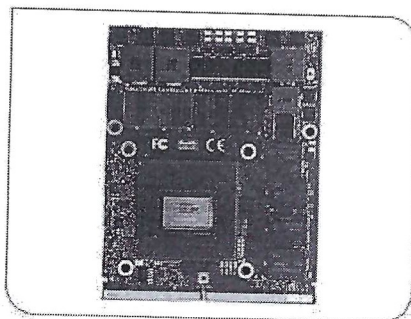


1. Windows10 requires November 2015 update or newer
2. 7680x4320 60Hz RGB 8-bit with dual-DisplayPort connector
7680x4320 60Hz YUV420 8-bit with one DisplayPort1.3 connector
3. DisplayPort 1.2 Certified and DisplayPort 1.3/1.4 Ready
DP_D cannot be used for driving an external display. Please contact Aetina sales for the eDP support.
4. DP_D cannot be used for driving an external display. Please contact Aetina sales for the eDP support.

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Aetina M3N1060-MN

NVIDIA® MXM 3.1 Typ B Graphic modul Industrial Grade



Our Products

[MagTek Magnet and
Chip card products](#)[Smart Card products](#)[Industrial Flash
storage products](#)[Industrial DRAM
Modules](#)[Interface extensions](#)[Industrial Grafic
boards](#)[Customization](#)

Graphic processor	NVIDIA® GeForce GTX 1060 mobile Pascal™ Architecture 1280 CUDA™ Cores 1404/1670 (Boost) MHz 3,59 TFLOPS
Memory	6GB GDDR5, 8Gb/s, 192-bit, 192GB/s
Display	max. 4 Displays per Board
Resolution	max. 7680 x 4320
Ports	DisplayPort 1.2, eDP 1.4, HDMI 2.0b, DVI DisplayPort 1.3/1.4 Ready, HDCP 2.2
Bus	MXM 3.1 (PCIe 3.0 Support)
Standards	OpenGL 4.5 OpenCL 1.2 DirectX 12 API CUDA™ enabled Optimus™ Vulkan DirectCompute VR Ready
Operating systems	MS Windows 7-10 Linux
Temperature operating	0°C up to 55°C (Standard) -20°C up to 70°C (Erweitert) -40°C up to 85°C (Industrie)
Power consumption	max 78W
Dimension	MXM Graphic modul Version 3.1, Typ B, 105mm x 82mm
Warranty	14 month

Order information on request

(Technical details are subject to change without prior notice)

[Back to overview](#)