

# 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 <sup>1</sup>
	Linux

### Display Support

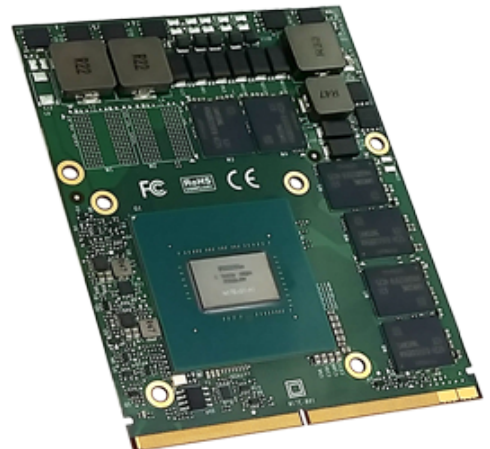
Max. Digital Display Support <sup>2</sup>	7680x4320
Max. Analog Display Support	Not Support
Display Interface	DP_A: DisplayPort1.2 <sup>3</sup> , HDMI2.0b DP_B: DisplayPort1.2 <sup>3</sup> DP_C: DisplayPort1.2 <sup>3</sup> , HDMI2.0b DP_D: Internal/eDP1.4 only <sup>4</sup> DP_E: DisplayPort1.2 <sup>3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

### Power Specs

Max. Board Power Consumption (W)	78 W
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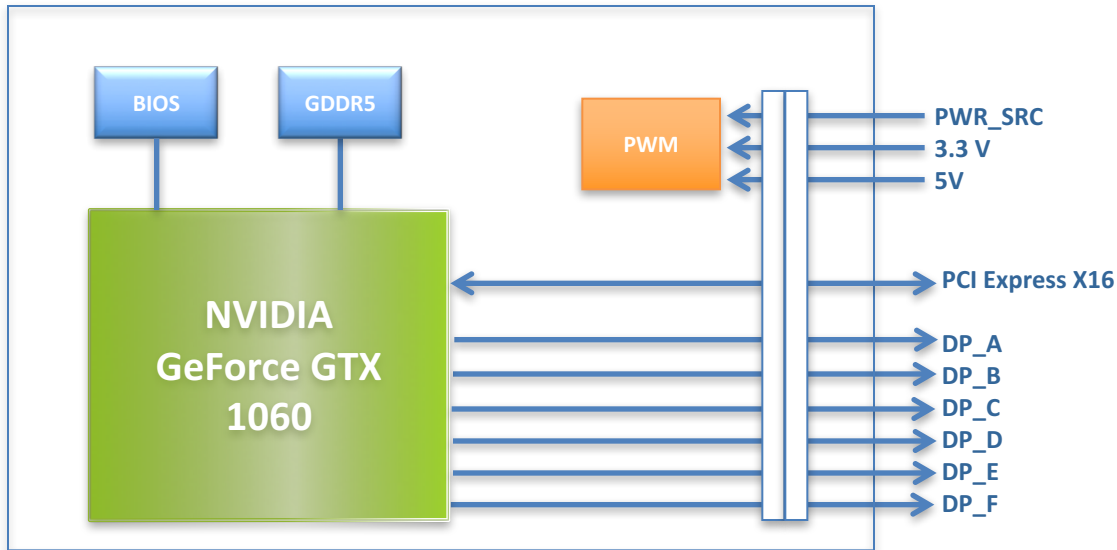
### Dimensions

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

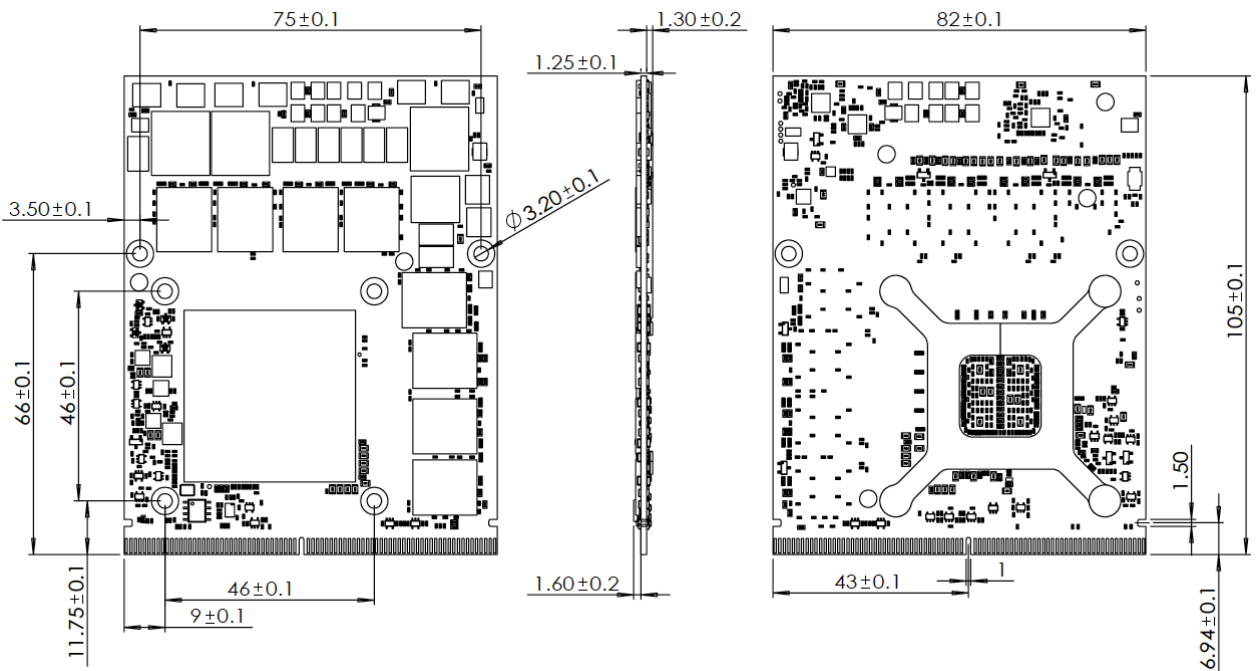


1. Windows10 requires November 2015 update or newer
2. 7680x4320 60Hz RGB 8-bit with dual-DisplayPort connector  
7680x4320 60Hz YUV420 8-bit with one DisplayPort1.3 connector
3. DisplayPort 1.2 Certified and DisplayPort 1.3/1.4 Ready
4. DP\_D cannot be used for driving an external display. Please contact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

## 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