

M3N1050TI-LN

Features

- Powered by GeForce® GTX 1050Ti energy-efficiency mobile GPU.
- 768 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, deep learning and defense applications.

Specifications

GPU Engine Specs

GPU	NVIDIA GeForce GTX 1050Ti
GPU Clock	1493 MHz
NVIDIA® CUDA™ Cores	768
BIOS Version	TBD
Floating Point Performance	2.29 TFLOPS

Memory Specs

Memory Size	4GB GDDR5
Memory Clock	7.0 Gbps
Memory Interface Width	128-bit
Memory Bandwidth (GB/sec)	112

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

Display Support

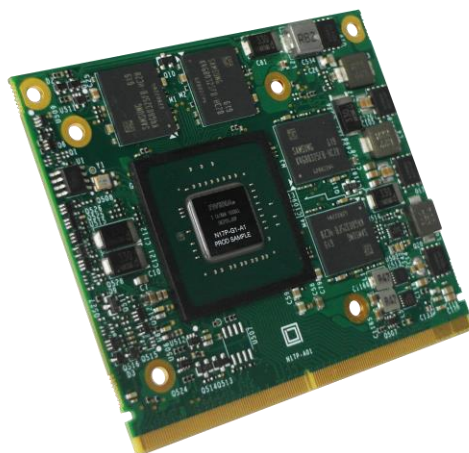
Max. Digital Display Support ²	7680x4320
Max. Analog Display Support	Not Support
Display Interface	DP_A: DisplayPort1.2 ³ , HDMI2.0b DP_B: DisplayPort1.2 ³ DP_C: DisplayPort1.2 ³ , HDMI2.0b DP_D: Internal/eDP1.4 only ⁴ DP_E: DisplayPort1.2 ³ , DVI (Single Link or Dual Link with DP_F) DP_F: DisplayPort1.2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

Power Specs

Max. Board Power Consumption (W)	60 W
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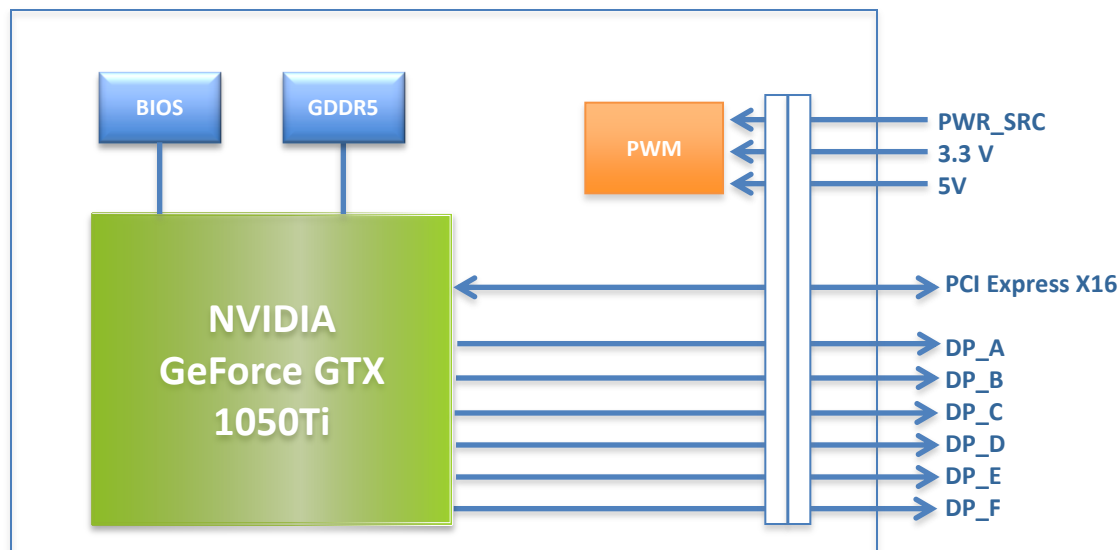
Dimensions

Form Factor	MXM graphics module version 3.1, Type A
Length	70 mm
Height	82 mm

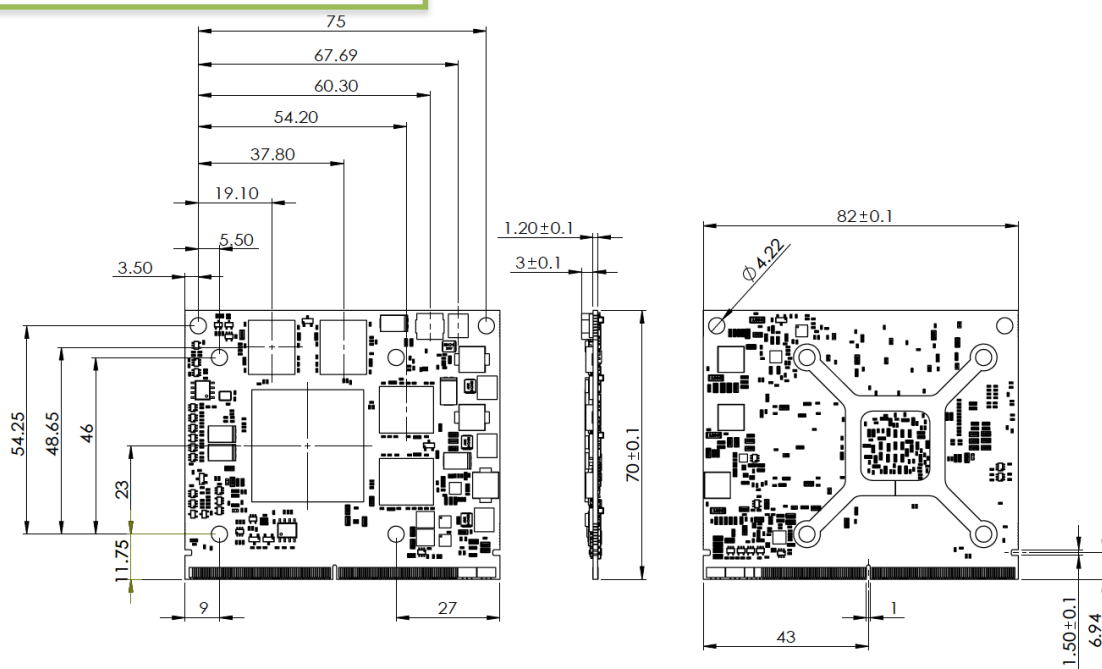


1. Windows10 requires November 2015 update or newer
2. 7680x4320 60Hz RGB 8-bit with dual-DisplayPort connector
7680x4320 60Hz YUV420 8-bit with one DisplayPort1.3 connector
3. DisplayPort 1.2 Certified and DisplayPort 1.3/1.4 Ready
4. DP_D cannot be used for driving an external display. Please contact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

Block Diagram



Mechanical



Tolerance: ±0.2mm

Ordering Information

Module Number	Description
M3N1050TI-LN	MXM3.1 Type A, NVIDIA GeForce GTX 1050Ti, 4GB GDDR5, 0°C to +55°C
M3N1050TI-LN-A	MXM3.1 Type A, NVIDIA GeForce GTX 1050Ti, 4GB GDDR5, -40°C to +85°C
M3N1050TI-LN-B	MXM3.1 Type A, NVIDIA GeForce GTX 1050Ti, 4GB GDDR5, -20°C to +70°C