X3N1050TI-LRC

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.
- VITA 42.3 compliant, adaptable for CPCI, VME and VPX systems.
- 25W to 60W, support TDP configuration.
- High level CUDA compute, ideal for GPU computing, visual computing and Deep Learning processing.

Specifications

GPU Engine Specs

- GPU: NVIDIA GeForce GTX 1050Ti
- GPU Clock: 620 MHz
- NVIDIA® CUDA™ Cores: 768
- BIOS Version: TBD
- Floating Point Performance: 952.32 GFLOPS

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
- Display Support: Linux
- Ma. Display per Board: 4
- Max. Digital Display Support: 7680x4320
- Max. Analog Display Support: 1920x1200
- Display Interface: XMC P16 I/O Connector: VGA and 4* DisplayPort1.2

Thermal and Power Specs

- Thermal: Conduction cooled
- Max. Board Power Consumption (W): 30 W

Dimensions

- Form Factor: XMC
- Length: 143.75 mm
- Height: 74 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. Only X3N1050TI-LRC support Display Interface via P16
4. DisplayPort 1.2 Certified and DisplayPort 1.3/1.4 Ready
### Block Diagram

- **BIOS**
- **GDDR5**
- **PWM**
- **P15**
- **P16**
- **VGA**
- **DisplayPort**
- **DisplayPort**
- **DisplayPort**

### Mechanical

### Ordering Information

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>X3N1050Ti-LRC</td>
<td>XMC, NVIDIA GeForce GTX 1050Ti, 4GB GDDR5 Conduction-Cooled, with P16 I/O connector, 0°C to +55°C</td>
</tr>
<tr>
<td>X3N1050Ti-LRC-C</td>
<td>XMC, NVIDIA GeForce GTX 1050Ti, 4GB GDDR5 Conduction-Cooled, with P16 I/O connector, 0°C to +55°C, with coating</td>
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<tr>
<td>X3N1050Ti-LRC-B</td>
<td>XMC, NVIDIA GeForce GTX 1050Ti, 4GB GDDR5 Conduction-Cooled, with P16 I/O connector, -20°C to +70°C</td>
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<tr>
<td>X3N1050Ti-LRC-BC</td>
<td>XMC, NVIDIA GeForce GTX 1050Ti, 4GB GDDR5 Conduction-Cooled, with P16 I/O connector, -20°C to +70°C, with coating</td>
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