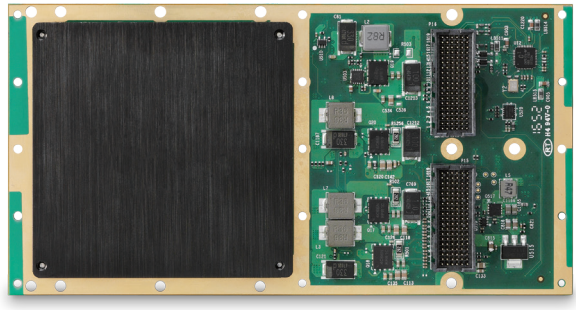
XMC-G1050TI

XMC Module with NVIDIA GeForce GTX 1050Ti GPU

Features

- NVIDIA GeForce GTX 1050Ti GPU (Pascal architecture)
- 768 CUDA cores, up to 4GB GDDR5 memory
- Supports NVIDIA CUDA™, Optimus™, DirectX® 12, OpenGL® 4.5, open CL 1.2, Vulkan and Direct Compute
- Conduction and air cooled version for various applications

New



Conduction cooled version

Specifications

Processor & System

GPU

NVIDIA GeForce GTX 1050Ti

NVIDIA CUDA Technology (compute capability 6.1), 768 cores
Supports OpenGL 4.5, OpenCL 1.2, DirectX 12

Default base clock: 607MHz (30W power consumption)

Memory

4GB GDDR5, 7.0 Gbps

128-bit memory interface, 112 GB/sec bandwidth

Display

Conduction cooled version:

Up to 4 independent displays

Max. digital resolution: 7680 x 4320

Max. analog resolution: 1920 x 1200

Four DisplayPort via P16 I/O connector

One Analog RGB output via P16 I/O connector

Air cooled version:

Up to 4 independent displays

Max. digital resolution: 1920 X 1200

Four DVI-D via VHDCI connector

VITA Specifications

VITA 42.0 XMC: Switched Mezzanine Card Base Specification
VITA 42.3 XMC: XMC PCI Express Protocol Layer
VITA 46.9 VPX: PMC/XMC Rear I/O Fabric Signal Mapping on 3U and 6U VPX Modules

Connectivity

XMC Site

PCI Express x8 Gen3 on P15

XMC I/O

Four DisplayPort 1.2 and one VGA on P16 (conduction cooled version only)

Front Panel

Four DVI-D to front panel via VHDCI connector (air cooled version only)

Operating System

OS

Microsoft Windows 7, Windows 10

Ubuntu, CentOS Linux
(Please contact ADLINK for other OS support.)

Mechanical & Environmental

Form Factor

Standard XMC Form Factor

143.75 x 74mm (conduction cooled version)

149 x 74mm (air cooled version)

Operating Temp.

-40°C to +75°C (conduction cooled version, with GPU throttling)

0°C to +55°C (air cooled version)

Relative Humidity

95% non-condensing

Shock

Sawtooth 40G, 11ms, each axis, operating (conduction cooled version)
20g peak, 11ms (air cooled version)"

Vibration

15Hz-2KHz, 12Grms, random, each axis, operating (conduction cooled version)
Random: 0.002g2/Hz from 10 to 2000Hz; Sine: 2G, 5 to 500Hz (air cooled version)

Power Consumption

30W (GPU base clock: 607MHz)

Weight

110g (conduction cooled version)
130g (air cooled version)

Safety & EMI

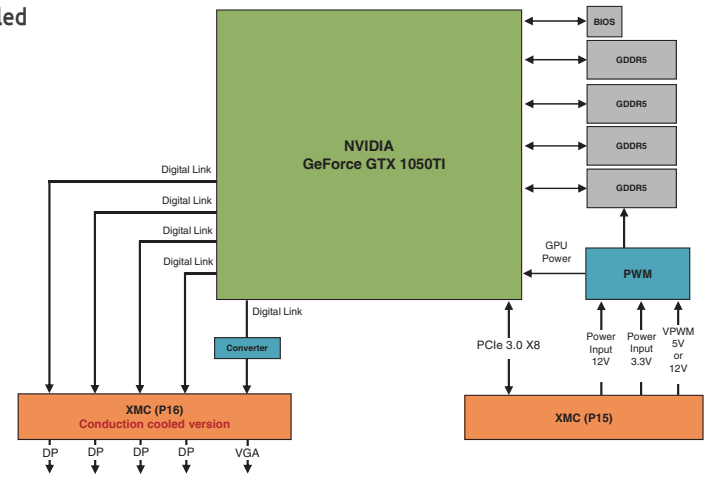
Certifications

CE, FCC Class A

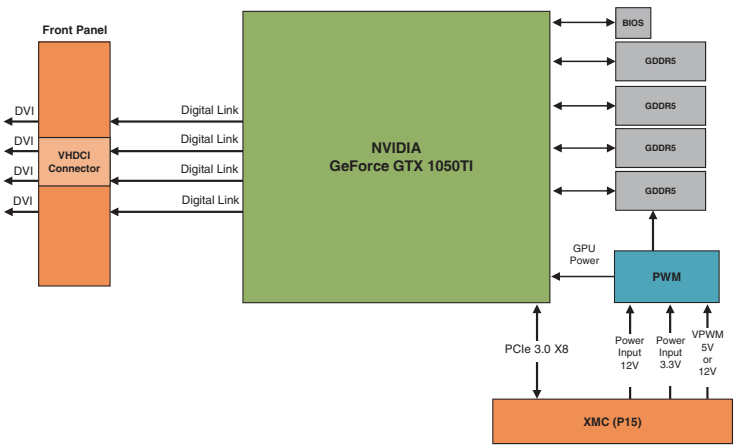
LRI Distribuída no Brasil pela LRI | vendas@lri.com.br | 51 2129-3000

Block Diagram

Conduction cooled



Air cooled



Ordering Information

XMC GPU Module

- **XMC-G1050TI-R1**
  NVIDIA GeForce GTX 1050Ti, 4GB GDDR5, no P16 or display output, conduction cooled, -40°C to +75°C
- **XMC-G1050TI-DP-R0**
  NVIDIA GeForce GTX 1050Ti, 4GB GDDR5 with P16 and display output, conduction cooled, 0°C to +55°C
- **XMC-G1050TI-R0**
  NVIDIA GeForce GTX 1050Ti, 4GB GDDR5, no P16 or display output, conduction cooled, 0°C to +55°C
- **XMC-G1050TI-DVI-A0**
  NVIDIA GeForce GTX 1050Ti, 4GB GDDR5, VHDCI front panel connector, breakout cable to 4x DVI, air cooled, 0°C to +55°C
- **XMC-G1050TI-A0**
  NVIDIA GeForce GTX 1050Ti, 4GB GDDR5, VHDCI front panel connector (no cable), air cooled, 0°C to +55°C



Air cooler version

All products and company name listed are trademarks or trade names of their respective companies.
Updated Apr. 18, 2018. ©2018 ADLINK Technology, Inc. All Rights Reserved.
All specifications are subject to change without further notice.

LRI Distribuída no Brasil pela LRI | vendas@lri.com.br | 51 2129-3000