

XAN745M

Conduction-Cooled Series

Rugged XMC GPU Computing Board

NVIDIA® Rugged & High Performance XMC GPU Computing
with Sophisticated GPGPU Capability

Features

- Longevity Product Supply.
- Gear up performance with NVIDIA Kepler architecture GPU.
- High CUDA Compute capability for significant parallel computation and graphics processing.
- High-resolution, high-performance platform for rugged Video I/O and GPGPU applications.
- Ideal for defense, radar, sonar, UAV and ground vehicles.

Specification



XAN745M-JSC



XAN745M-JRC

GPU Engine Specs

GPU	NVIDIA GeForce GT 745M
NVIDIA® CUDA™ Cores	384
Floating Point Performance (GFLOPS)	420.86

Memory Specs

Memory Size	2GB GDDR5
Memory Clock	4.0 Gbps
Memory Interface Width	128-bit
Memory Bandwidth (GB/sec)	64

Feature Support

Bus Type	8-lanes PCI Express 3.0 capable (x8/x4/x1)
OpenGL	4.4
DirectX	11.1
Open CL	1.2
Operation System	Windows® Vista Windows® 7 Windows® 8 .1 Linux

Display Support (Optional)

Max. Digital Display Support	1920x1200
Max. Analog Display Support	2048x1536

Display Connectors	XMC P16 I/O Connector (VGA and Quad SL-DVI)
--------------------	---

Thermal and Power Specs

Thermal	Conduction-cooled
Max. Board Power Consumption (W)	23 W

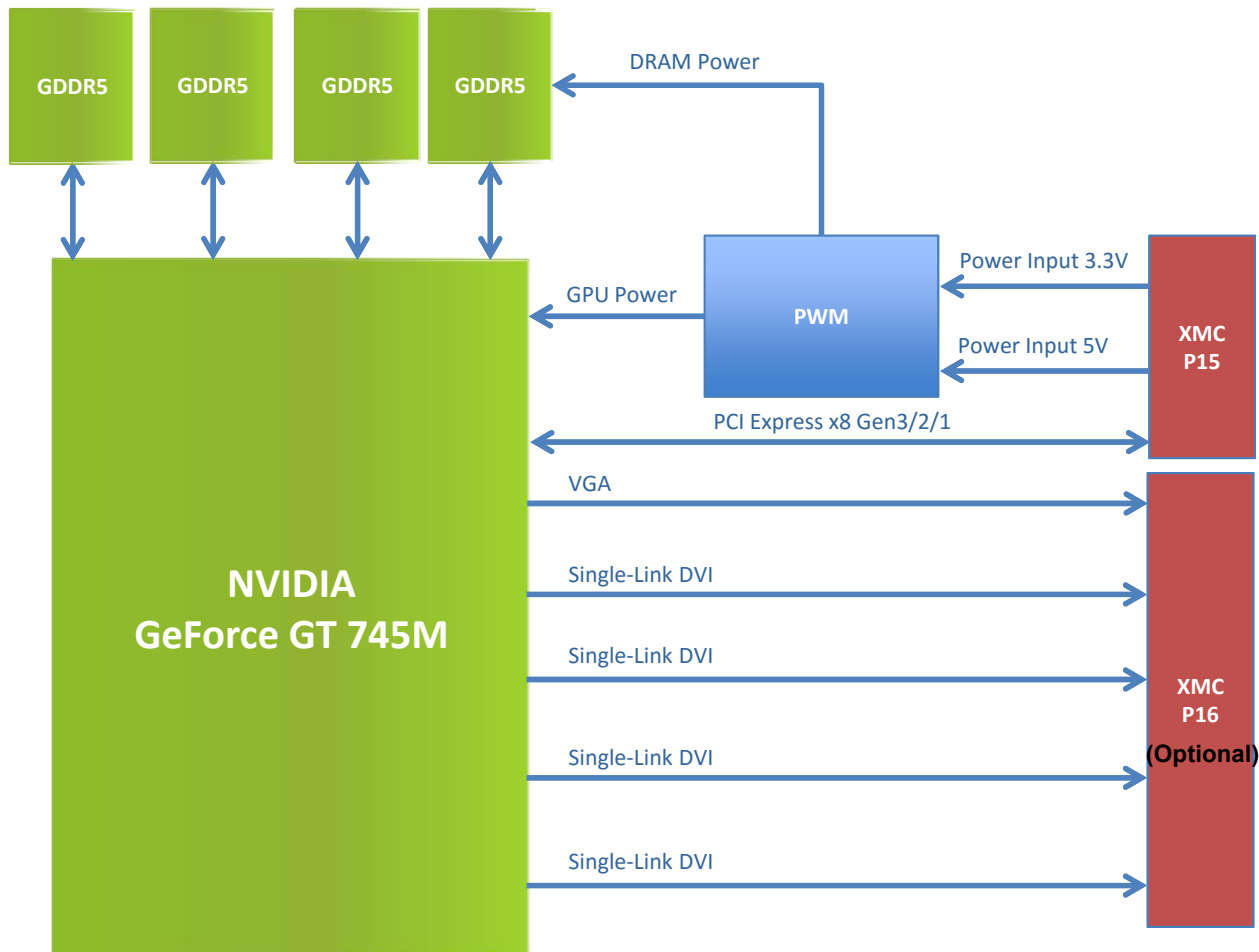
Dimensions

Form Factor	XMC
Length	143.75mm
Height	74mm

Rugged XMC GPU Computing Board

Block Diagram

NVIDIA® Rugged & High Performance XMC GPU Computing
with Sophisticated GPGPU Capability



Order Information

Part Number	Display Support	Thermal Solution
XAN745M-JSC	N/A	Conduction-cooled
XAN745M-JRC	P16 I/O Connector	Conduction-cooled