

NVIDIA GEFORCE° GTX 680M Module for HP Z1 Workstation

GC-69V03453-CG

GeForce GTX 680M Upgrade Module for HP Z1 Workstation

Designed from the ground up for the HP Z1 Workstation platform, the NVIDIA[®] GeForce[®] GTX 680M is the advanced GPU upgrade option available for the Z1 platform. It features the new NVIDIA Kepler architecture, built for speed and efficiency, delivering the best 3D performance HP Z1 Workstation has to offer.

Get maximum visual experience with NVIDIA Adaptive Vertical Sync and turn on lightning-fast antialiasing in a huge variety of games and applications, automatically, with NVIDIA FXAA and TXAA technologies. Feel the difference with NVIDIA PhysX[®] technology, bringing your Z1 to life with dynamic, interactive virtual environments.

PRODUCT SPECIFICATION	IS
Form Factor	MXM v3.0 Type B (3.23" × 4.13")
Graphics Controller	N13E-GTX-A2
CUDA Cores	1344
Processor Clock	720 MHz
Texture Fill Rate	80.6 Billion/Sec
Memory	4GB GDDR5
Memory Interface Width	256-bit
Memory Bandwidth	115.2 GB/sec
Connectors	One MXM v3.0 Connector (285-pin)
Maximum Resolution	Z1 Internal Display: 2560x1440, External Display via DP connector; 2560x1600
Shading Architecture	Shader Model 5.0 support
Supported Graphics APIs	DirectX 11 with Shader Model 5.0, OpenGL 4.1
Available Graphics Drivers	Windows 7 32-bit & 64-bit
Power Consumption	100W
Board Dimensions	4.37″ × 11″ × 1.96″
Board Weight	1.55 lbs
Warranty	One Year Warranty
UPC Code	751492554884
PNY Part Number	GC-69V03453-CG



Updated 08.27.13





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