

Innocore has taken advantage of the MXM standard and designed the DPX-117 and DPX-C705 mainboards with MXM sockets to meet the demands of current and future gaming needs. MXM modules are based on mobile GPU technology, which enables them to run with minimal power consumption and heat dissipation while providing maximum performance.

WHAT IS MXM?

Mobile PCI Express Module (MXM) is an interconnect standard for GPU's using PCI Express created by Nvidia®. It was originally designed for laptops, the goal being to create an industry standard socket. The standard is now adopted by both Nvidia and ATI for embedded computing, rapidly finding application in a variety of areas including gaming devices.

ADVANTAGES OF MXM

Small Format:

The average size of the module is 73mm x 78mm (MXM type II)

Incorporation

The module is installed horizontally on Innocore mainboards for a seamless and robust design.

Speed

Based upon PCI Express x16. Double the bandwidth of AGP 8x.

Memory

Dedicated onboard video memory ranging from 128MB to 256MB.

Efficiency

Based on mobile GPU's for low power consumption and heat dissipation

Simplicity

Offers easy upgrade path as graphical demands increase.



Required Hardware:

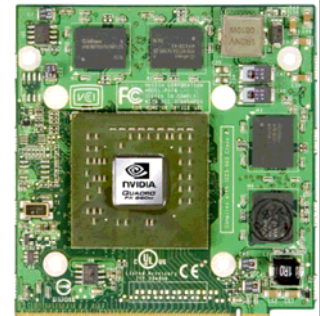
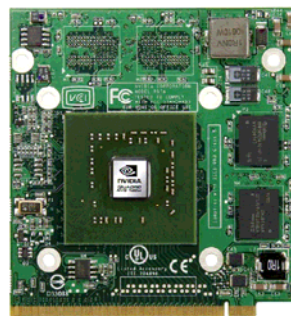
- MXM Compatible DPX Mainboard (DPX-117, DPX-C705)
- Backplane

Mobile PCI Express Module (MXM)

Innocore MXM Offerings:

Innocore provides a wide range of MXM modules based on the mobile line of GPUs from ATI and Nvidia:

Feature / MXM	ATI M24 (X600SE)	ATI M52 (X1300)	Nvidia Quadro NVS120M	Nvidia Quadro FX560M
FB RAM	128MB DDR	256MB DDR2	128MB DDR2	256MB DDR2
MXM Format	Type I (70x68mm)	Type II (73x78mm)	Type II	Type II
GPU/Mem Clk (MHz)	350/400	450/500	450/400	450/400
Mem I/F	128bit	128bit	64bit	128bit
DVI	✓	✓	✓	✓
VGA	✓	✓	✓	✓
TV Out	x	x	x	x
LVDS	No	Dual ch. 24 bit	No	No
DirectX	9.0c	9.0c	9.0c	9.0c
OpenGL	2.0	2.0	2.0	2.0
Pipes x TMU x VPU	4 x 1 x 2	4 x 1 x 2	4 x 1 x 3	8 x 1 x 5
Fill Rate MT/Sec	1400	1800	TBD	TBD
3D Mark 03	3000	4225	3900	7798



DPX-117 Fitted with MXM



OEM Customization and Product Development:

Innocore specializes in the fields of PC-based hardware design and software development. Our in-depth knowledge and global resources make us your ideal partner.

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