

**PART NUMBER:**  
TCSM40M-PB

## NVIDIA TESLA M40 by PNY

THE WORLD'S FASTEST DEEP LEARNING  
TRAINING ACCELERATOR

The Tesla M40 GPU Accelerator is purpose-built for deep learning training and is the world's fastest deep learning training accelerator for data center. Tesla M40 is based on NVIDIA Maxwell™ architecture and a Tesla M40 server outperforms CPU server by 13x.



Deep learning is redefining what's possible. From early-stage startups to large web service providers, deep learning has become the fundamental building block in delivering amazing solutions for end users. Today's leading deep learning models typically take days to weeks to train, forcing data scientists to make compromises between accuracy and time to deployment. The NVIDIA Tesla M40 GPU accelerator is the world's fastest accelerator for deep learning training, purpose-built to dramatically reduce training time.

Running Caffe and Torch on the Tesla M40 delivers the same model within days versus weeks on CPU based compute systems.

Some of the world's largest data centers take advantage of Tesla accelerators to deliver unprecedented system throughput. The Tesla Platform supports industry-standard applications and system management tools, making it easier than ever before for IT managers to maximize uptime and system performance.

Deliver faster discoveries and scientific insights to your users by deploying GPU accelerators in your data center. With broad support for HPC developer tools like MPI, scientific libraries, and OpenACC, most applications offer performance boost with GPUs today.

### TESLA M40 - PRODUCT SPECIFICATION

MEMORY SIZE (PER BOARD)	12 GB GDDR5
MEMORY INTERFACE	384-bit
MEMORY BANDWIDTH	288 GB/s
CUDA CORES	3072
PEAK SINGLE PRECISION FLOATING POINT PERFORMANCE	~7 Tflops (GPU Boost Clocks)
MEMORY INTERFACE	PCI Express 3.0 x16
MAX POWER CONSUMPTION	250 W
THERMAL SOLUTION	passive Heatsink
FORM FACTOR	111,15 mm (H) x 267,7 mm (L) Dual Slot, Full Height
DISPLAY CONNECTORS	None
POWER CONNECTORS	8-pin CPU power connector 2-pin power brake header
WEIGHT (W/O EXTENDER)	898g
PACKAGE CONTENT	1x Power adapter (2 x PCIe 8-pin to CPU 8-pin)
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