P2M16M40

PCIE Gen3 drive Quad Adapter Card

FC CE ⌷ RoHS

Introduction

SUNIX P2M16M40 PCI Express x16 card expands four M.2 modules (Key-M) into desktop or server PC, allowing user accesses new generation NVM Express interface (Non-Volatile Memory Host Controller Interface Specification) to capitalize on the low latency and internal parallelism of solid-state storage devices. It supports up to four M.2 NVMe SSD storage modules in 2280, 2260, or 2242 format with driver free feature. To maximum the highest performance of M.2 NVMe SSD, this card ensures the PCBA layout routing length less than 1.5inch between PCI Express and M.2 slot. It is the best M.2 quad NVMe SSD adapter card solution for desktop, server, gaming, or industrial applications.

Features

- Maximum bandwidth up to PCIe Gen3 x16 specification.
- Compliant with PCI Express M.2 specification 1.0.
- Supports M.2 modules in format 2280, 2260 and 2242
  with Key-M or Key-B+M based on PCI Express communication.
- PCBA layout routing length less than 1.5inch between PCIe and M.2 slot.
- Compliant Full High Profile PCIe bracket.
- Plug-n-Play, I/O address and IRQ assigned by BIOS.
- Certified by CE, FCC, VCCI, BSMI, and RoHS approval.
- Driver free under Windows, Linux, or other operation systems.
- Support PCIe #CLK_REQ pin to M.2 slot.

Note:
- SUNIX P2M16M40 card is **neither** compatible **M.2 SATA SSD Key B**, nor **M.2 SATA SSD Key B+M**.
- Motherboard should be compatible **PCIe Bifurcation** and BIOS should also have an option to enable PCIe Bifurcation **x4x4x4x4**.

Specifications

Model	P2M16M40
Description	PCIE Gen3 drive Quad Adapter Card
M.2 Interface	M.2 Key-M slot x4
PCIe Interface	PCI Express x16 Gen3
Environment	Operation temp. 0 °C ～ 40 °C (32-104°F)
	Operation humidity: < 85% non-condensing
	Storage temp. -10 °C ～ 85 °C (14~176°F)
Weight	250g
Regulatory Approvals	FCC, CE, BSMI, VCCI
Green Environment	RoHS, CRoHS, WEEE
Mechanical Drawings(unit: mm)	260 / 246.75 / 0.92 / 104.85 / 58.97

Package

- P2M16M40 / PCIE Gen3 drive Quad Adapter Card x1

- Thermal pads (2.8mm) x4 (for single side SSD)

- Thermal pads (1.8mm) x4 (for double side SSD)

- Metal screw standoff (M2*4.8mm) x5 (for fixing SSD)

- Metal screw cross recess (I2*3.5MM) x5 (for fixing SSD standoff)