

PCM-3300MR

MR4A16B, MRAM, 2MB, M.2 B+M key
(3052, PCIe x1)

NEW



Features

- Meets Advantech iDoor technology standard
- M.2 3052 B+M Key compliant (PCI Express)
- Data always non-volatile for >20-year at temperature
- Read / Write memory speed 6 MB/Sec
- 2MB MRAM Storage
- I/O address automatically assigned by PCIe plug & play
- Supports Windows and Linux platform

Introduction

Advantech's MRAM solutions deliver ultra-fast, non-volatile memory that helps prevent system downtime and data loss during unexpected power failures—ideal for mission-critical industrial applications. This is a flexible design that enables customers to customize their features with iDoor Technology.

Specifications

General

- **Bus Type** M.2 3052 B+M Key compliant
- **Interfaces** PCIe Express
- **Certification** CE, FCC class A
- **Dimensions** Module: 52 x 30 x 12.4 mm (2.04" x 1.18" x 0.48")
- **Power Consumption** Typical : +3.3 V @ 150 mA

Memory

- **Memory** Everspin MR4A16B
- **Size** 2 MB
- **Read/Write Speed** 6 MB/sec

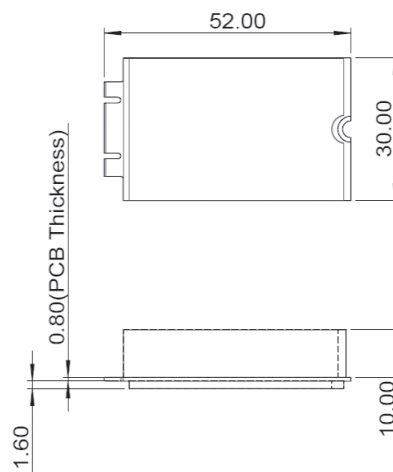
Software

- **OS Support** Microsoft® Windows® 10/11, Ubuntu 22.04, 24.04

Environment

- **Operating Humidity** 10 ~ 95% RH @ 40 °C/104 °F, non-condensing
- **Operating Temperature** -20 ~ 60°C (-4 ~ 140°F)
- **Storage Temperature** -40 ~ 85°C (-40 ~ 185°F)
- **Maximum magnetic field immunity during write** 8000 A/m
- **Maximum magnetic field during reading or standby** 8000 A/m

Dimensions



Ordering Information

- **PCM-3300MR-AE** MRAM, 2MByte, M.2 B+M key (3052, PCIe x1)