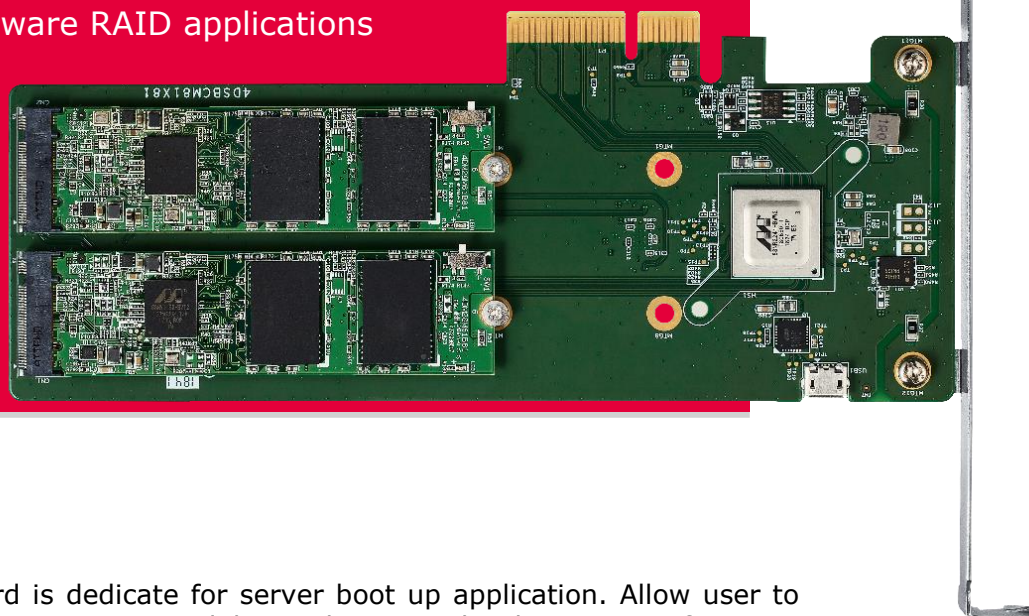


Datasheet

Server Boot Card

- PCIe Gen. III x4 NVMe 1.3
- Support varies M.2 dimensions
2242/2260/2280/22110
- Dedicate for Server Boot-up application
- Support PCIe hardware RAID applications



Introduction

Innodisk Server Boot Card is dedicate for server boot up application. Allow user to connect with maximum 2 PCIe M.2 modules and support hardware RAID function. By application, customer can set the device in RAID 1 (mirroring) for OS backup or RAID 0 for device accelerate.

Suit for Server Boot Drive application, especial in HCI and SDS, prefer to separate the OS in an independent drive. Server Boot Card in AIC form factor is able to release a drive bay for data storage drive. Also by hardware RAID 1 supported not only reduced system loading but also backup the OS.

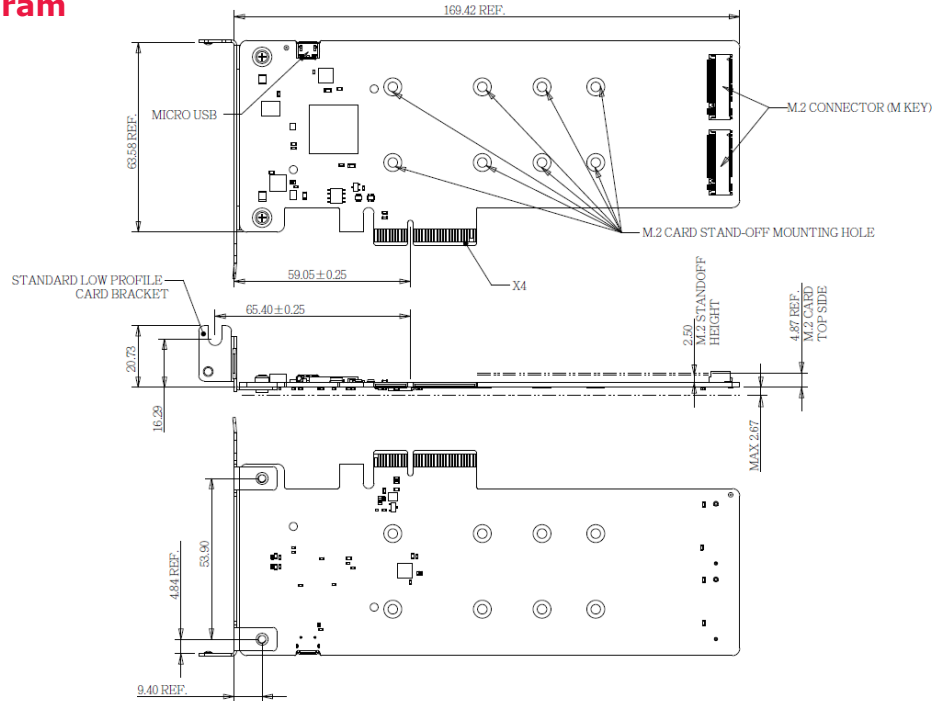
Since the PCIe lanes is limited. Server Boot Card support PCIe Gen III performance with 2 lances, provide a high transfer performance but not occupy many PCIe lanes

Server Boot Card

Diagram

Contact us for more information about the Server Boot Card.

Innodisk is a service-driven provider of industrial embedded flash storage and Dram products and technologies, with a focus on the cloud computing, industrial/embedded, and aerospace and defense industries.



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Specifications

Server Boot Card Interface	PCIe Gen. III 4 lanes
Drive type	M.2 PCIe * 2 (2242/2260/2280/22110)
Maximum number of virtual disks	1
Max. Power Consumption	TBD
Thermal Sensor	√
Extended DRAM buffer	-
H/W Write Protect	-
ATA Security	√
S.M.A.R.T.	√
Dimension (WxLxH)	31.75 x 39.80 x 9.26mm
Environment	Vibration: 20G @ 7~2000Hz Shock: 1500G @ 0.5ms Storage Temperature: -55°C ~ +95°C MTBF: 3 million hours

20190108

Ordering Information

	Part Number
Server Boot Card	DESBC-000M810CQ1

M.2 Support list

	Part Number
M.2 (P42) 3ME2	DEM24-***M61BCA%C
M.2 (P80) 3ME2	DEM28-***M61BCA%C
M.2 (P42) 3TE2	DEM24-***M61ECA%F
M.2 (P80) 3TE2	DEM28-***M61ECA%F

***= Capacity (32G,64G,A28,B56,C12,01T)
%=Channels (D=Dual CH, Q=Quad CH)

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