Introduction

Innodisk M.2 (S42) 3IE3 is designed as the standard M.2 form factor with SATA interface, and supports SATA III standard (6.0Gb/s) with excellent performance. The form factor refers to the M.2(NGFF) specification which established by JEDEC. Regarding of mechanical interference, Innodisk M.2 (S42) 3IE3 absolutely replaces the traditional hard disk and makes personal computer, in any field, smaller and easier.

Innodisk M.2 (S42) 3IE3 effectively reduces the booting time of operation system and the power consumption is less than hard disk drive (HDD), and complies with ATA protocol, no additional drives are required, and can be configured as a boot device or data storage device.
M.2 (S42) 3IE3 series

Contact us for more information about the M2 (S42) 3IE3.

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

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Interface: SATA III
Flash Type: iSLC
P/E cycle: 20,000
Capacity: 8GB~64GB
Max. Channels: 2
Sequential R/W (MB/sec, max.): 200/80
Max. Power Consumption: 1.3W (3.3V x 370 mA)
Thermal Sensor: ST:N/WT:Y
External DRAM buffer: -
H/W Write Protect: -
ATA Security: √
S.M.A.R.T.: √
Dimension (WxLxH): 22.0 X 42.0 X 3.2 mm
Environment:
Vibration: 20G @7~2000Hz
Shock: 1500G @ 0.5ms
Storage Temperature: -55°C ~ +95°C
MTBF: 3 million hours

Ordering Information

<table>
<thead>
<tr>
<th>Operation Temp.</th>
<th>8GB</th>
<th>16GB</th>
<th>32GB</th>
<th>64GB</th>
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</thead>
<tbody>
<tr>
<td>Standard Grade</td>
<td>DHM24-08GD09BC1SC</td>
<td>DHM24-16GD09BC1DC</td>
<td>DHM24-32GD09BC1DC</td>
<td>DHM24-64GD09BC1DC</td>
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<tr>
<td>(0°C ~ +70°C)</td>
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<tr>
<td>Industrial Grade</td>
<td>DHM24-08GD09BW15C</td>
<td>DHM24-16GD09BW1DC</td>
<td>DHM24-32GD09BW1DC</td>
<td>DHM24-64GD09BW1DC</td>
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<tr>
<td>(-40°C ~ +85°C)</td>
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Dimension tolerance: ±0.15mm

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