

Industrial DRAM Module

DDR3

DDR3 DRAM Module is an industrial memory module that provides lasting performance and is designed for the surveillance, automation, and embedded markets. The modules comply with all relevant JEDEC standards and are available in 2GB, 4GB, and 8GB capacities, and with data transfer rates of 1066MT/s, 1333MT/s, 1600MT/s, and 1866MT/s.

In the industrial space, reliability, ruggedness, and compatibility are just as important, and often even more important than speed and capacity. To offer our customers the highest quality products, and to ensure peace of mind among industrial leaders, Innodisk sends its products through many in-house tests and has also obtained a series of reputable [third-party certifications](#).

Features

- Fully Tested and Optimized for Stability and Performance
- Uses Original IC to Meet Strict Industrial Standards
- JEDEC Standard 1.5V (1.425V~1.575V) & 1.35V (1.28V~1.45V)
- Operating Environment: Standard 0°C to 85°C / Wide Temp. -40°C to 85°C
- RoHS Compliance ; CE/FCC Certification

Ordering Information*

240-PIN DDR3 UDIMM

Innodisk Part Number	Density	Module Config.	IC Config.	Speed	Voltage	Temp.	Latest Supported CPU
M3U0-8GSSACQE M3U0-8GSSALQE	8GB	512Mb x64	512Mbx8	1866 MT/s	1.5V, 1.35V	0°C to 85°C	Intel Kaby Lake AMD Jaguar

204-PIN DDR3 SODIMM

Innodisk Part Number	Density	Module Config.	Device Type	Speed	Voltage	Temp.	Latest Supported CPU
M3S0-8GSSDCQE M3S0-8GSSDLQE	8GB	512Mb x64	512Mbx8	1866 MT/s	1.5V, 1.35V	0°C to 85°C	Intel Kaby Lake AMD Jaguar

240-PIN DDR3 ECC UDIMM

Innodisk Part Number	Density	Module Config.	Device Type	Speed	Voltage	Temp.	Latest Supported CPU
M3C0-8GSS3CQE M3C0-8GSS3LQE	8GB	512Mb x72	512Mbx8	1866 MT/s	1.5V, 1.35V	0°C to 85°C	Intel Kaby Lake AMD Abu Dhabi

204-PIN DDR3 ECC SODIMM

Innodisk Part Number	Density	Module Config.	Device Type	Speed	Voltage	Temp.	Latest Supported CPU
M3D0-8GSS6CPC M3D0-8GSS6LPC	8GB	512Mb x72	512Mbx8	1600 MT/s	1.5V, 1.35V	0°C to 85°C	Intel Kaby Lake AMD Abu Dhabi

240-PIN DDR3 RDIMM

Innodisk Part Number	Density	Module Config.	Device Type	Speed	Voltage	Temp.	Latest Supported CPU
ACT8GHR72P8J1866S ACT8GHR72P8J1866S-LV	8GB	512Mb x72	512Mbx8	1866 MT/s	1.5V, 1.35V	0°C to 85°C	Intel Sandy-Bridge AMD Abu Dhabi

*For more product information, please contact your local sales representative.

Add-on Selections



Side Fill



Conformal Coating



Rugged Clip



Heat Spreader

Contact us

HQ (Taiwan)

T: +886-2-7703-3000

E: sales@innodisk.com

Japan

T: +81-3-6667-0161

E: jpsales@innodisk.com

USA

T: +1-510-770-9421

E: usasales@innodisk.com

Europe

T: +31-40-3045-400

E: eusales@innodisk.com

China

T: +86-755-2167-3689

+86-755-2167-3690

E: sales_cn@innodisk.com



Industrial DRAM Module

DDR4

DDR4 offers the industry's fastest memory speed with 3200MT/s - the perfect fit for any surveillance, automation and embedded application. The modules comply with all relevant JEDEC standards and are available in 4GB, 8GB, 16GB, and 32GB capacities. 2133MT/s, 2400MT/s, 2666MT/s, 2933 MT/s, and 3200MT/s modules are also available.

In the industrial space, reliability, ruggedness, and compatibility are just as important, and often even more important than speed and capacity. To offer our customers the highest quality products, and to ensure peace of mind among industrial leaders, Innodisk sends its products through many in-house tests and has also obtained a series of reputable [third-party certifications](#).

Features

- Fully Tested and Optimized for Stability and Performance
- Uses Original IC to Meet Strict Industrial Standards
- JEDEC Standard 1.2V (1.26V~1.14V)
- Operating Environment: Standard 0°C to 85°C / Wide Temp. -40°C to 85°C / Ultra Temp. -40°C to 125°C
- Anti-Sulfuration Protection Against Harsh Environments
- RoHS Compliance ; CE/FCC Certification

Free Upgrade



Anti-Sulfuration

Ordering Information*

288-PIN DDR4 UDIMM

Innodisk Part Number	Density	Module Config.	IC Config.	Speed	Voltage	Temp.	Latest Supported CPU
M4U0-BGS2KCEM	32GB	2Gb x64	2Gbx8	3200 MT/s	1.2V	0°C to 85°C	Intel Alder Lake-S AMD Vermeer

262-PIN DDR4 SODIMM

Innodisk Part Number	Density	Module Config.	Device Type	Speed	Voltage	Temp.	Latest Supported CPU
M4S0-BGS2OCEM	32GB	2Gb x64	2Gbx8	3200 MT/s	1.2V	0°C to 85°C	Intel Alder Lake-S AMD Vermeer

288-PIN DDR4 ECC UDIMM

Innodisk Part Number	Density	Module Config.	Device Type	Speed	Voltage	Temp.	Latest Supported CPU
M4C0-BGS2MCEM	32GB	2Gb x72	2Gbx8	3200 MT/s	1.2V	0°C to 85°C	Intel Alder Lake-S AMD Vermeer

262-PIN DDR4 ECC SODIMM

Innodisk Part Number	Density	Module Config.	Device Type	Speed	Voltage	Temp.	Latest Supported CPU
M4D0-BGS2QCEM	32GB	2Gb x72	2Gbx8	3200 MT/s	1.2V	0°C to 85°C	Intel Alder Lake-S AMD Vermeer

288-PIN DDR4 RDIMM

Innodisk Part Number	Density	Module Config.	Device Type	Speed	Voltage	Temp.	Latest Supported CPU
M4R0-BGS2BCEM	32GB	2Gb x72	2Gbx8	3200 MT/s	1.2V	0°C to 85°C	Intel Ice Lake-SP AMD Milan

*For more product information, please contact your local sales representative.

Add-on Selections



Side Fill



Conformal Coating



Rugged Clip



Heat Spreader

Contact us

HQ (Taiwan)

T: +886-2-7703-3000
E: sales@innodisk.com

Japan

T: +81-3-6667-0161
E: jpsales@innodisk.com

USA

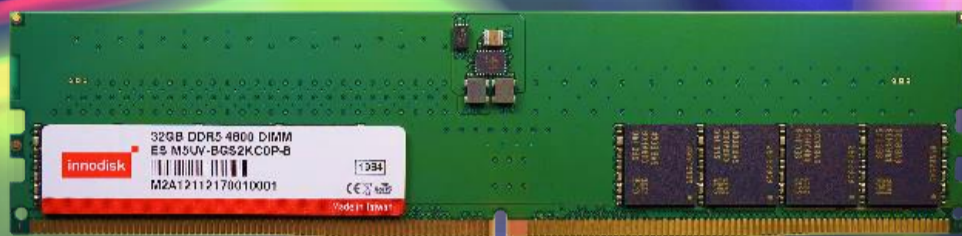
T: +1-510-770-9421
E: usasales@innodisk.com

Europe

T: +31-40-3045-400
E: eusales@innodisk.com

China

T: +86-755-2167-3689
+86-755-2167-3690
E: sales_cn@innodisk.com



Industrial DRAM Module

DDR5

The JESD79-5 DDR5 SDRAM specification has significant improvements in capacity, speed and voltage. Structure wise, the Power Management IC (PMIC) is moved onto the DIMM, reducing redundant power management circuitry on the motherboard for unused DIMM slots in previous generations.

From JEDEC standard, the DDR5 specification is bringing the maximum potential capacity for a single DDR5 DIMM to 128GB, a theoretical maximum transfer speed of 6400MT/s which is doubling the rate of DDR4, along with the improved power consumption as 1.1V.

The modules from Innodisk comply with all relevant JEDEC standards and are available in **8GB**, **16GB** and **32GB** capacities, as **4800MT/s**.

In the industrial space, reliability, ruggedness, and compatibility are just as important, and often even more important than speed and capacity. To offer our customers the highest quality products, and to ensure peace of mind among industrial leaders, Innodisk sends its products through many in-house tests and has also obtained a series of reputable [third-party certifications](#).

Features

- Fully Tested and Optimized for Stability and Performance
- Uses Original IC to Meet Strict Industrial Standards
- On module Power Management IC (JEDEC Standard: Vout 1.1V).
2 PMIC specifications as listed below:

DIMM Type	Vin	Vout
Server (DDR5 RDIMM)	12V	1.1V
Client (DDR5 UDIMM/SODIMM)	5V	1.1V

- Operating Environment (Tc): Standard 0°C to 95°C / Wide Temp. -40°C to 95°C
- On-die ECC
- Anti-Sulfuration Protection Against Harsh Environments
- 30μ" Gold Finger
- RoHS Compliance ; CE/FCC Certification

Free Upgrade



Anti-Sulfuration

30μ"



30μ" Gold Finger

Ordering Information*

288-PIN DDR5 UDIMM

Innodisk Part Number	Density	Module Config.	IC Config.	Speed	Voltage	Temp. (Tc)	Latest Supported CPU
M5U0-BGS2KCVP	32GB	2Gb x64	2Gbx8	4800 MT/s	1.1V	0°C to 95°C	Intel Alder Lake-S AMD Raphael

262-PIN DDR5 SODIMM

Innodisk Part Number	Density	Module Config.	Device Type	Speed	Voltage	Temp. (Tc)	Latest Supported CPU
M5S0-BGS2OCVP	32GB	2Gb x64	2Gbx8	4800 MT/s	1.1V	0°C to 95°C	Intel Alder Lake-S AMD Raphael

288-PIN DDR5 ECC UDIMM

Innodisk Part Number	Density	Module Config.	Device Type	Speed	Voltage	Temp. (Tc)	Latest Supported CPU
M5C0-BGS2MCVP	32GB	2Gb x80	2Gbx8	4800 MT/s	1.1V	0°C to 95°C	Intel Alder Lake-S AMD Raphael

262-PIN DDR5 ECC SODIMM

Innodisk Part Number	Density	Module Config.	Device Type	Speed	Voltage	Temp. (Tc)	Latest Supported CPU
M5D0-BGS2QCVP	32GB	2Gb x80	2Gbx8	4800 MT/s	1.1V	0°C to 95°C	Intel Alder Lake-S AMD Raphael

288-PIN DDR5 RDIMM

Innodisk Part Number	Density	Module Config.	Device Type	Speed	Voltage	Temp. (Tc)	Latest Supported CPU
M5R0-BGS2BCVP	32GB	2Gb x80	2Gbx8	4800 MT/s	1.1V	0°C to 95°C	Intel Sapphire Rapids AMD Genoa

*For more product information, please contact your local sales representative.
*64GB and 128GB will be introduced when available.

Add-on Selections



Side Fill



Conformal Coating



Rugged Clip



Heat Spreader

Contact us

HQ (Taiwan)

T: +886-2-7703-3000
E: sales@innodisk.com

Japan

T: +81-3-6667-0161
E: jpsales@innodisk.com

USA

T: +1-510-770-9421
E: usasales@innodisk.com

Europe

T: +31-40-3045-400
E: eusales@innodisk.com

China

T: +86-755-2167-3689
+86-755-2167-3690
E: sales_cn@innodisk.com