Wide Temperature / Industrial DRAM

Operating Temperature -40°C~+85°C for Ultimate Performance

Overview ▸

Vecow Wide Temperature DRAM offers the complete memory modules of industrial solutions to conform with stern temperature needs in the special environments. SO-DIMM is ready for meeting requirements of industrial applications. Vecow have own factory, so can promise valuable customers the use of original IC, long-term supply, customized setting service. All industrial DRAM modules are shipped with 2-year warranty.

Key Features ▸

- ◆ Operating temperature -40°C to +85°C
- ◆ Industrial-grade passive components
- ◆ ESD protection
- ◆ Anti-dust, heat-dispatching in high temperature
- ◆ Moisture resistant, avoid condensation in low temperature
- ◆ Programmable burst type (sequential and interleave)
- ◆ Auto and self refresh, 7.8 us refresh interval (8K/64ms refresh)

- ◆ Double-data-rate architecture
- ◆ Differential clock inputs (CK and CK)
- ◆ Programmable burst length (2, 4, 8)
- ◆ Serial presence detect with EEPROM
- ◆ TSOP II and FBGA Pb-free package
- ◆ SSTL_2 interface 2.6V
- ◆ 2-bit pre-fetch

Specification ▶

Operating Temperature	Type	Data Rate	PIN	Component Org.	Density
-40°C to +85°C	DDR3 SO-DIMM	1333 MHz	204	256Mb x 8	4GB
				256Mb x 8	2GB
				128Mb x 8	1GB
	DDR2 SO-DIMM	800/667 MHz	200	128Mb x 8	2GB
				128Mb x 8 / 64Mb x 8	1GB
				64Mb x 8	512MB
	DDR SO-DIMM	400/333 MHz	200	128Mb x 8	1GB
				64Mb x 8	512MB

Ordering Information ▶

Chip	Type	PIN	Comp. Config	Data Rate	Density	Part Number
Micron	DDR3 SO-DIMM	204	256Mx8	1333 MHz	4GB	M340S-W28M1
					2GB	M320S-W28M1
			128Mx8	1333 MHz	1GB	M310S-W18M1
Nanya	DDR2 SO-DIMM	200	128Mx8	800 MHz	2GB	M220S-W18N8
					1GB	M210S-W18N8
				667 MHz	2GB	M220S-W18N6
					1GB	M210S-W18N6
ProMOS	DDR2 SO-DIMM	200	128Mx8	800 MHz	2GB	M220S-W18P8
					1GB	M210S-W18P8
				667 MHz	2GB	M220S-W18P6
					1GB	M210S-W18P6
	DDR SO-DIMM	200	64Mx8	800 MHz	1GB	M210S-W68P8
					512MB	M205S-W68P8
				667 MHz	1GB	M210S-W68P6
					512MB	M205S-W68P6
			64Mx8	400 MHz	1GB	M110S-W68P4
					512MB	M105S-W68P4
				333 MHz	1GB	M110S-W68P3
					512MB	M105S-W68P3