

# Data Sheet

<b>Module Type</b>	<b>DDR4 VLP UDIMM</b>
<b>Capacity</b>	<b>4GB/8GB/16GB</b>
<b>Module speed</b>	<b>Up to 2666MT/s</b>
<b>Pin</b>	<b>288 pin</b>
<b>Cl-tRCD-tRP</b>	<b>19-19-19</b>
<b>Operating Temp</b>	<b>0°C ~85°C</b>

**The Total Solution For  
Industrial Flash Storage**

Rev 1.0

## 1. Features

Industry Nomenclature	Speed Grade	Data Rate MT/s			CL	tRCD	tRP
		CL=15	CL=17	CL=19			
PC4-2666	I	2133	2400	2666	19	19	19

- JEDEC Standard 288-pin Dual In-Line Memory Module
- Intend for PC4-2666 applications
- Inputs and Outputs are SSTL-12 compatible
- VDD=VDDQ= 1.2 Volt (1.14V~1.26V)
- VPP=2.5 Volt (2.375V~2.75V)
- VDDSPD=2.2-3.6V
- Low-Power auto self-refresh (LPASR)
- SDRAMs have 16 internal banks for concurrent operation (4 Bank Group of 4 banks each)
- Normal and Dynamic On-Die Termination for data, strobe and mask signals.
- Data bus inversion (DBI) for data bus
- Fixed burst chop (BC) of 4 and burst length (BL) of 8 via the MRS
- Selectable BC4 or BL8 on-the fly (OTF)
- Golden Connector
- Fly-By topology
- Terminated control, command and address bus
- Programmable /CAS Latency: 10,11,12,13,14,15,16,17,18,19,20
- Operation temperature – (0°C~85°C)
- On-die VREFDQ generation and Calibration
- On-Board EEPROM
- RoHS and Halogen free
- Height 18.75mm

## 2. Ordering Information

Density	Component Composition	Part Number	Description
4GB	512Mx8	M4U0-4GSSVCSJ	DDR4 2400 1Rx8 UDIMM VLP 1.2V
8GB	512Mx8	M4U0-8GSSWCSJ	DDR4 2400 2Rx8 UDIMM VLP 1.2V
8GB	1Gx8	M4U0-8GS1VCSJ	DDR4 2400 1Rx8 UDIMM VLP 1.2V
16GB	1Gx8	M4U0-AGS1WCSJ	DDR4 2400 2Rx8 UDIMM VLP 1.2V
4GB	512Mx8	M4U0-4GSSVCIK	DDR4 2666 1Rx8 UDIMM VLP 1.2V
8GB	512Mx8	M4U0-8GSSWCIK	DDR4 2666 2Rx8 UDIMM VLP 1.2V
8GB	1Gx8	M4U0-8GS1VCIK	DDR4 2666 1Rx8 UDIMM VLP 1.2V
16GB	1Gx8	M4U0-AGS1WCIK	DDR4 2666 2Rx8 UDIMM VLP 1.2V