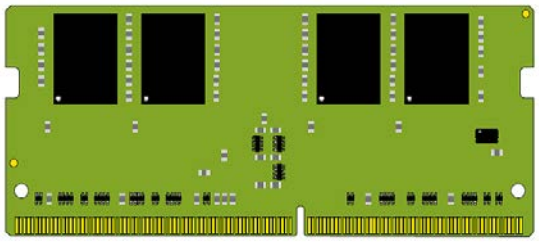
VL-MM10

DDR4 SODIMM Memory Module



Actual Size

Overview

The MM10 is a plug-in memory module that is available in 4, 8, and 16 GB size. It is available in both industrial (-40 to +85°C) and commercial (0 to 60°C) temperature ranges.

The MM10 is a JEDEC standard unbuffered PC4-17000 MB/s SO-DIMM 260-pin module.

These modules feature Serial Presence Detect (SPD) based on a serial EEPROM device, using the 2-pin I2C protocol.

Ordering Information

Model	Memory Size	Function	Operating Temp.
VL-MM10-4EBN	4 GB	4 GB DDR4-2133 Memory Module, PC4-17000 SODIMM	-40°C to +85°C
VL-MM10-4SBN	4 GB	4 GB DDR4-2133 Memory Module, PC4-17000 SODIMM	0°C to +60°C
VL-MM10-8EBN	8 GB	8 GB DDR4-2133 Memory Module, PC4-17000 SODIMM	-40°C to +85°C
VL-MM10-8SBN	8 GB	8 GB DDR4-2133 Memory Module, PC4-17000 SODIMM	0°C to +60°C
VL-MM10-16EBN	16 GB	16 GB DDR4-2133 Memory Module, PC4-17000 SODIMM	-40°C to +85°C
VL-MM10-16SBN	16 GB	16 GB DDR4-2133 Memory Module, PC4-17000 SODIMM	0°C to +60°C

Call VersaLogic Sales at (503) 747-2261 for more information!

Specifications

General	
Module Size	JEDEC standard form factor 30.0mm x 69.6mm (1.18" x 2.74") 260 pin Small Outline Dual-In-Line Memory Module (SODIMM)
Power Requirements	JEDEC Standard Power Supply VDD = VDDQ = 1.2V± 5% VPP = 2.5 Volt +10%/-5%
Manufacturing Standards	IPC-A-610 Class 2 compliant
Regulatory Compliance	ROHS (2002/95/CE)

Environmental			
Operating Temperature	*Model*	*Temp. Range*	*Altitude*
	VL-MM10-Ex	-40°C to +85°C	Derate -1.1°C per 305m (1,000 ft.) above 2,300m (7,500 ft.)*
	VL-MM10-Sx	0°C to +60°C	
Storage Temperature	-40° to +85°C		
Altitude	Operating *	To 4,570m (15,000 ft.)	
	Storage	To 12,000m (40,000 ft.)	
Humidity	Less than 95%, noncondensing.		
Vibration, Sinusoidal Sweep †	MIL-STD-202G, Method 204, Modified Condition A: 2g constant acceleration from 5 to 500 Hz, 20 min. per axis.		
Vibration, Random †	MIL-STD-202G, Method 214A, Condition A: 5.35g rms, 5 min. per axis.		
Mechanical Shock †	MIL-STD-202G, Method 213B, Condition G: 20g half-sine, 11 msec. duration per axis.		

* For extended altitude information contact VersaLogic Sales Dept.

† MIL-STD-202G shock and vibe levels are used to illustrate the ruggedness of this product in general. Testing to higher levels and/or different types of shock or vibration methods can be accommodated per the specific requirements of the application. Contact a VersaLogic Sales Engineer for further information.

Specifications are subject to change without notification.

5/15/17