DDR5 VLP ECC UDIMM

SMART Modular Technologies' DDR5 VLP ECC UDIMMs are for 1U blade servers used in telecom, network, compute and storage applications. The key advantages of DDR5 VLP ECC UDIMMs are height, density, power, and performance. ECC memory (Error Correction Code memory) is needed for mission critical applications where each bit of data is important and cannot be lost.

For ruggedized and harsh operating conditions, SMART offers industrial grade temperature operation (-40°C to +85°C), anti-sulfur resistors (ASRs), underfill, conformal coating and retention clips to secure the socket latches in place.

The 16GB and 32GB VLP ECC UDIMMs are the newest product added to SMART's wide portfolio of blade memory modules that target all types of very dense computing, storage, networking and telecom applications.

Applications

- Compute and Storage
- Networking and Telecom
- Industrial, IIoT and Edge Computing

Features & Benefits

- VLP ECC UDIMM height of 18.75mm allows for vertical DIMM placement in 1U blades to save board space
- High density – can achieve up to 384GB in 1U compute and storage blade systems with 12 DIMM sockets
- ECC memory (Error Correction Code memory) to detect and correct data bit corruption
- High performance DDR5-4800 operation

Ordering Information

288-PIN - DDR5 ECC VLP UDIMM							
SMART Part Number	Density	Height (mm)	Module Config	Comp Config	Speed	Voltage	Temp*
SR6G7UD5388HMV	48GB	18.75	6Gb x72	3Gx8	5600MT/s	1.1V	0°C to +70°C
SR6G7UD5385HMV	48GB	18.75	6Gb x72	3Gx8	4800MT/s	1.1V	0°C to +70°C
SR4G7UD5288HAV	32GB	18.75	4Gb x72	2Gx8	5600MT/s	1.1V	0°C to +70°C
SR4G7UD5288SBV	32GB	18.75	4Gb x72	2Gx8	5600MT/s	1.1V	0°C to +70°C
SR4G7UD5288MDV	32GB	18.75	4Gb x72	2Gx8	5600MT/s	1.1V	0°C to +70°C
SRI4G7UD5285SBV	32GB	18.75	4Gb x72	2Gx8	4800MT/s	1.1V	-40°C to +85°C
SR4G7UD5285SBV	32GB	18.75	4Gb x72	2Gx8	4800MT/s	1.1V	0°C to +70°C
SR2G7UD5288SBV	16GB	18.75	2Gb x72	2Gx8	5600MT/s	1.1V	0°C to +70°C
SRI2G7UD5285SBV	16GB	18.75	2Gb x72	2Gx8	4800MT/s	1.1V	-40°C to +85°C
SR2G7UD5285SBV	16GB	18.75	2Gb x72	2Gx8	4800MT/s	1.1V	0°C to +70°C

* Reflects Operating Ambient Temperature

SMART
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For more information, please visit: **www.smartm.com**

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