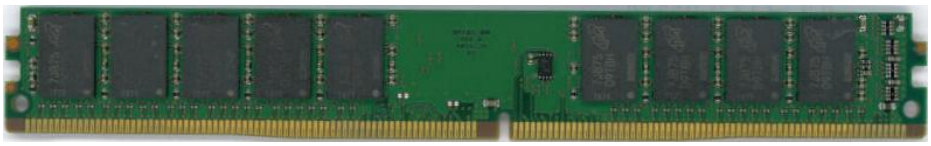
DVM24E2T8V/16G

16GB - 288-Pin 2Rx8 Unbuffered ECC DDR4 VLP DIMM



Identification
DVM24E2T8V/16G 2Gx72
16GB 2Rx8 PC4-2400T-E-17

Performance Range
Clock / Module Speed / CL-t_{RCD} –t_{RP}
1200 MHz / PC4-2400 / 18-18-18
1200 MHz / PC4-2400 / 17-17-17
1067MHz / PC4-2133 / 16-16-16
1067MHz / PC4-2133 / 15-15-15
933 Hz / PC4-1866 / 14-14-14
933 Hz / PC4-1866 / 13-13-13
800 Hz / PC4-1600 / 12-12-12
800 Hz / PC4-1600 / 11-11-11
667 MHz / PC4-1600 / 10-10-10

Features	Description
288-pin JEDEC-compliant DIMM, 133.35 mm wide by 18.9 mm high Operating Voltage: VDD/VDDQ = 1.2V (1.14V to 1.26V) VPP = 2.5V (2.375V to 2.75V) VDDSPD = 2.25V to 2.75V I/O Type: 1.2 V signaling On-board I^2C temperature sensor with integrated Serial Presence-Detect (SPD) EEPROM Data Transfer Rate: 19.2 Gigabytes/sec Data Bursts: 8 and burst chop 4 mode ZQ Calibration for Output Driver and On-Die Termination (ODT) Programmable ODT / Dynamic ODT during Writes Programmable CAS Latency: 10, 11, 12, 13, 14, 15, 16, 17 and 18 Bi-directional Differential Data Strobe signals Per DRAM Addressability is supported Write CRC is supported at all speed grades DBI (Data Bus Inversion) is supported(x8 only) CA parity (Command/Address Parity) mode is supported Supports ECC error correction and detection 16 internal banks SDRAM Addressing (Row/Col/BG/BA): 16/10/2/2 Fully RoHS Compliant	**DVM24E2T8V/16G** is an Unbuffered 2Gx72 Very Low Profile (VLP) memory module, which conforms to JEDEC's DDR4-2400, PC4-2400 standard. The assembly is Dual-Rank. Each rank is comprised of nine 1Gx8 DDR4-2400 SDRAMs. One EEPROM is used for Serial Presence Detect and a combination register/PLL, with Address and Command Parity, is also used. Both output driver strength and input termination impedance are programmable to maintain signal integrity on the I/O signals in a Fly-by topology. A thermal sensor accurately monitors the DIMM module and can prevent exceeding the maximum operating temperature of 95C.

Notes

Tolerances on all dimensions except where otherwise indicated are ±.13 (.005).

All dimensions are expressed in millimeters [inches]