

**Products in Family**

GRHZ820/32GB (1 x 32GB 4Rx4 LRDIMM)

Features	Description
240-pin JEDEC-compliant DIMMs 133.35 mm wide by 30 mm high (1.181" x 5.25") Data Transfer Rate: 10.6 Gigabytes/sec Operating Voltage: 1.35 V $\pm$ 0.075 (1.5 V tolerant) Fully RoHS Compliant Thermal Sensor Heat Spreader	Each GRHZ820/32GB upgrade consists of a single DDR3-1333 Load Reduced DIMM that conforms to JEDEC's DDR3, PC3L-10600L standard. One 2K-bit EEPROM is used for Serial Presence Detect and a combination register/PLL with Address and Command Parity is also used. A thermal sensor accurately monitors the DIMM module and can prevent exceeding the maximum operating temperature of 95C.

Dataram Product	Hewlett-Packard Product	Supported in these Hewlett-Packard systems:
GRHZ820/32GB	A2Z53AA	HP Z820 Workstation

**Notes**

Tolerances on all dimensions except where otherwise indicated are  $\pm$ .13 (.005).  
 All dimensions are expressed in millimeters [inches]

