



Patriot Signature ECC Series DDR5 16GB (1 x 16GB) 4800MT/s ECC UDIMM Module

Introducing the Patriot Signature DDR5 ECC Series, the latest memory solution engineered for high performance and reliability. Designed for professional computing environments, the Signature DDR5 ECC Series delivers dependable DDR5 ECC UDIMM performance built for stability and long-term operation.

ECC (Error-Correcting Code) memory is designed to automatically detect and correct data errors as they occur, helping to prevent system crashes, data corruption, and unexpected downtime. With additional ICs dedicated to ECC functionality, these modules continuously monitor data transfers between the DRAM module and the CPU, correcting errors in real time before they can impact system performance or data integrity. This makes the Patriot Signature DDR5 ECC Series an ideal solution for workstations and servers where accuracy, reliability, and uptime are critical.

To ensure proper operation, an ECC-compatible platform is required. Consumer-class systems designed for standard non-ECC UDIMM memory may not support ECC functionality and may not function correctly when ECC UDIMMs are installed.



PRODUCT INFORMATION

PATRIOT INV. NUMBER:	PSD516G48081E
DESCRIPTION:	Patriot Signature ECC Series DDR5 16GB (1 x 16GB) 4800MT/s ECC UDIMM Single
CERTIFICATIONS/SAFETY:	RoHS
PRODUCT WARRANTY:	Limited Lifetime Warranty
UNIT UPC:	4711378432466
UNIT WEIGHT:	0.03 lbs / 17 g
UNIT DIMENSIONS:	0.07"(L) x 5.24"(W) x 1.26"(H) 0.2 cm (L) x 13.3 cm (W) x 3.2 cm (H)
PACKAGING TYPE:	Blister Pack
PACKAGING WEIGHT:	0.06 lbs / 29 g
PACKAGING DIMENSIONS:	0.47"(L) x 2.4"(W) x 6.7"(H) 1.2 cm (L) x 6.1 cm (W) x 17 cm (H)
MASTER CARTON WEIGHT:	15.98 lbs / 7.25 kg
MASTER CARTON DIMENSIONS:	14.96"(L) x 8.86"(W) x 14.57"(H) 38 cm (L) x 22.5 cm (W) x 37 cm (H)
UNITS PER INNER CARTON:	25
UNITS PER MASTER CARTON:	250

FEATURES:

- Series: Signature ECC UDIMM Line
- Form Factor: 288-Pin DDR5 ECC Unbuffered Dual In-Line Memory Module (ECC UDIMM)
- Technology: DDR5 ECC Unbuffered
- Power Management IC (PMIC)
- On-Die ECC error correction
- Support ECC error detection and correction
- RoHS Compliant
- Operating Temperature: 0°C - 85°C
- 100% Tested
- Limited Lifetime Warranty

SPECIFICATIONS:

- Capacity: 16GB (1x 16GB)
- Frequency: 4800MT/s (PC5-38400)
 - Timings: 40-40-40-77
 - VDD Voltage: 1.1v
 - VPP Voltage: 1.8v

For technical support, email us at:
SUPPORT@PATRIOTMEM.COM

MEMORY STORAGE