



# Patriot Signature ECC Series DDR5 16GB (1 x 16GB) 4800MT/s ECC SODIMM Single

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 SODIMM 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 mobile workstations and SFF server applications 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 SODIMM memory may not support ECC functionality and may not function correctly when ECC SODIMMs are installed.

## PRODUCT INFORMATION

<b>PATRIOT INV. NUMBER:</b>	PSD516G48081ES
<b>DESCRIPTION:</b>	Patriot Signature ECC Series DDR5 16GB (1 x 16GB) 4800MT/s ECC SODIMM Single
<b>CERTIFICATIONS/SAFETY:</b>	RoHS
<b>PRODUCT WARRANTY:</b>	Limited Lifetime Warranty
<b>UNIT UPC:</b>	4711378432503
<b>UNIT WEIGHT:</b>	0.02 lbs / 9.5 g
<b>UNIT DIMENSIONS:</b>	0.12"(L) x 2.7"(W) x 1.2"(H) 0.3 cm (L) x 6.9 cm (W) x 3 cm (H)
<b>PACKAGING TYPE:</b>	Limited Lifetime Warranty
<b>PACKAGING WEIGHT:</b>	0.04 lbs / 18.5 g
<b>PACKAGING DIMENSIONS:</b>	0.62"(L) x 2.08"(W) x 6.61"(H) 1.6 cm (L) x 5.3 cm (W) x 16.8 cm (H)
<b>MASTER CARTON WEIGHT:</b>	14.7 lbs / 6.7 kg
<b>MASTER CARTON DIMENSIONS:</b>	17.8"(L) x 11.4"(W) x 15.9"(H) 45.3 cm (L) x 29 cm (W) x 40.5 cm (H)
<b>UNITS PER INNER CARTON:</b>	25
<b>UNITS PER MASTER CARTON:</b>	250

## FEATURES:

- Series: Signature ECC SODIMM Line
- Form Factor: 262-Pin DDR5 ECC Small Outline Dual In-Line Memory Module (ECC SODIMM)
- 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](mailto:SUPPORT@PATRIOTMEM.COM)

# MEMORY STORAGE