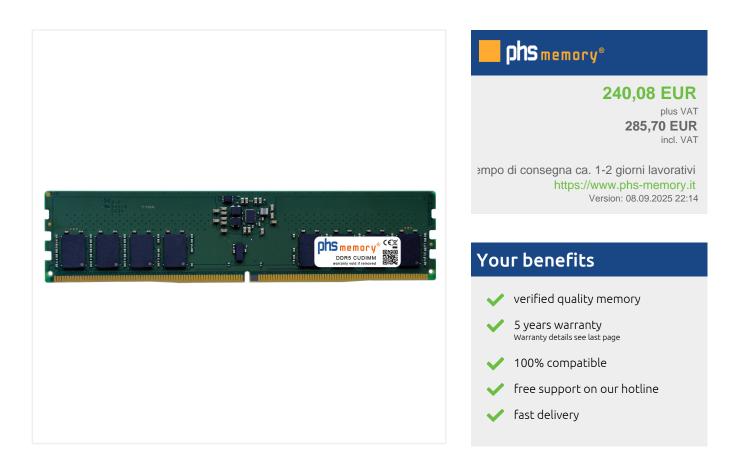
phs memory®

64GB Computer memory DDR5 for HP OMEN 45L GT22-3199ng CUDIMM

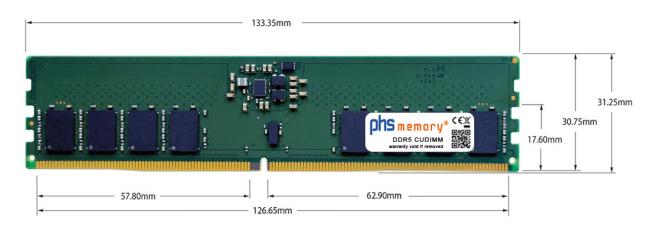


PHS-memory® - computer memory with 100% quality

- many years of IT competence
- Free support for optimal configuration and product selection
- High availability through professional warehouse management
- Fast delivery in throughout Europe
- Short response times and professional order processing due to full digitalization throughout the entire process with complete traceability
- Incoming goods inspection include checks of the DRAMs, PCBs and the programmed SPDs in order to exclude possible errors (Controlled BOM).
- PHS-memory® brand memories guarantee 100% compatibility to the specified system.
- PHS-memory® memories can be used together with existing memories in the device depends on to the configuration rules of the system.
- The "fallback option" in the SPD of PHS-memory® allows DRAMs with higher clock rates to be operated together with older memory modules with lower clock rates within the system.
- Products with unique serial number for service and warranty
- Pre-sales and after-sales support by technically trained personnel



Memory Specification



Memory technologyDDR5ECC supportnoJEDEC NormPC5-51200UTypeCUDIMM (Clocked Unbuffered UDIMM)Number of pins288 Pin DIMMMemory data transfer rate6400MHzVoltage1,1 VoltSpeciality-Operating temperature0°C - 85°CStorage temperature-40°C - +95°C	ECC supportnoJEDEC NormPC5-51200UTypeCUDIMM (Clocked Unbuffered UDIMM)Number of pins288 Pin DIMMMemory data transfer rate6400MHzVoltage1,1 VoltSpeciality-Operating temperature0° C - 85° C	Memory size	64GB		
JEDEC NormPC5-51200UTypeCUDIMM (Clocked Unbuffered UDIMM)Number of pins288 Pin DIMMMemory data transfer rate6400MHzVoltage1,1 VoltSpeciality-Operating temperature0° C - 85° CStorage temperature-40° C - +95° C	JEDEC NormPC5-51200UTypeCUDIMM (Clocked Unbuffered UDIMM)Number of pins288 Pin DIMMMemory data transfer rate6400MHzVoltage1,1 VoltSpeciality-Operating temperature0° C - 85° CStorage temperature-40° C - +95° CRoHS compliantYes	Memory technology	DDR5		
TypeCUDIMM (Clocked Unbuffered UDIMM)Number of pins288 Pin DIMMMemory data transfer rate6400MHzVoltage1,1 VoltSpeciality-Operating temperature0° C - 85° CStorage temperature-40° C - +95° C	TypeCUDIMM (Clocked Unbuffered UDIMM)Number of pins288 Pin DIMMMemory data transfer rate6400MHzVoltage1,1 VoltSpeciality-Operating temperature0° C - 85° CStorage temperature-40° C - +95° CRoHS compliantYes	ECC support	no		
UDIMM)Number of pins288 Pin DIMMMemory data transfer rate6400MHzVoltage1,1 VoltSpeciality-Operating temperature0° C - 85° CStorage temperature-40° C - +95° C	UDIMM)Number of pins288 Pin DIMMMemory data transfer rate6400MHzVoltage1,1 VoltSpeciality-Operating temperature0° C - 85° CStorage temperature-40° C - +95° CRoHS compliantYes	JEDEC Norm	PC5-51200U		
Memory data transfer rate6400MHzVoltage1,1 VoltSpeciality-Operating temperature0° C - 85° CStorage temperature-40° C - +95° C	Memory data transfer rate6400MHzVoltage1,1 VoltSpeciality-Operating temperature0° C - 85° CStorage temperature-40° C - +95° CRoHS compliantYes	Туре			
Voltage1,1 VoltSpeciality-Operating temperature0° C - 85° CStorage temperature-40° C - +95° C	Voltage1,1 VoltSpeciality-Operating temperature0° C - 85° CStorage temperature-40° C - +95° CRoHS compliantYes	Number of pins	288 Pin DIMM		
Speciality - Operating temperature 0° C - 85° C Storage temperature -40° C - +95° C	Speciality-Operating temperature0° C - 85° CStorage temperature-40° C - +95° CRoHS compliantYes	Memory data transfer rate	6400MHz		
Operating temperature0° C - 85° CStorage temperature-40° C - +95° C	Operating temperature0° C - 85° CStorage temperature-40° C - +95° CRoHS compliantYes	Voltage	1,1 Volt		
Storage temperature -40° C - +95° C	Storage temperature-40° C - +95° CRoHS compliantYes	Speciality	-		
	RoHS compliant Yes	Operating temperature	0° C - 85° C		
		Storage temperature	-40° C - +95° C		
ROHS compliant Yes	SKU SP584153	RoHS compliant	Yes		
SKU SP584153		SKU	SP584153		
	EAN 4069169562688	EAN	4069169562688		

overRAMing maximize your RAM



Most systems - including the HP OMEN 45L GT22-3199ng - can be upgraded with more memory than originally specified by the device manufacturer.

Therefore, our memory specialists continuously analyze new memory solutions in selected systems. Due to improved manufacturing technologies, new memories with higher performance and capacity will be tested for stability and functionality.

Then the new memory solutions are released for the respective systems. Use the benefits of larger computer memory capacity with the PHSmemory® overRAMing memory solutions.

https://www.phs-memory.it/-BOR

Note: The module specified in this datasheet is one of several possible configurations available under this part number.

Some details may differ from the specifications described here and the illustration, but have no negative influence on the functionality.



System Specifications

The memory is 100% compatible with this sytem:

System manufacturer	HP
Device type	Desktop
Device family	OMEN 45L
Device series	GT22-3190 Serie
Device name	OMEN 45L GT22-3199ng
Standard memory	64GB (4x16GB)
Maximum memory*	256GB / 128GB according to manufacturer
Number of memory sockets	4

* The specifications for the maximum memory upgrade may differ from those of the manufacturer HP. Often the information given in the manual for the maximum memory upgrade is not up to date. New memory technologies, bios updates or newer software versions often allow the use of memory modules with a higher capacity than specified by the manufacturer with the same performance and stability.

Memory modules with our overRAMing-symbol are approved by us for maximum memory expansion.

Information on memory installation

- Turn off the system
- Remove the plug of the power supply unit (if connected)
- Remove the battery, according to the user manual of the system
- Always ground yourself before touching electronic components
- Protect the memory module from static voltages:
- Do not touch the gold pins of the memory module - Only touch the sides of the memory module
- Use a grounding strap and/or ESD glove if possible

General installation instructions are supplied by E-Mail.



Further memory options for HP OMEN 45L GT22-3199ng

Size	SKU	Technology	Туре	Number of pins	Brand	Reference no.
32GB	SP575995	DDR5	CUDIMM (Clocked Unbuffered UDIMM)	288 Pin DIMM	PHS-memory®	
48GB	SP575996	DDR5	CUDIMM (Clocked Unbuffered UDIMM)	288 Pin DIMM	PHS-memory®	
64GB	SP584153	DDR5	CUDIMM (Clocked Unbuffered UDIMM)	288 Pin DIMM	PHS-memory®	

PHS-memory® warranty

Every PHS-memory® is equipped with a 5-years-warranty of perfect operation. If the RAM module is defective or fails within 5 years of purchase when used properly, you will receive an appropriate RAM module free of charge. If a suitable memory module is no longer available, we will refund the purchase price.

5 Jahre Garantie

For more information on warranty and service please visit https://www.phs-memory.it/-W5Y

Contact Information

PHS-electronic gmbh - www.phs-memory.it -Karl-Götz-Str. 5 97424 Schweinfurt Germania Phone: +49 9721 784678 E-Mail: info@phs-memory.it Web: www.phs-memory.it

All information without guarantee. Technical changes and errors excepted. You can find current price information in our online shop at https://www.phs-memory.it