



DDR3 Memory Modules

SMART's DDR3 DRAM modules continue to hold significant relevance, particularly for legacy systems. Despite the advent of newer memory technologies like DDR4 and DDR5, DDR3 remains a critical component for many applications due to its proven reliability, cost-effectiveness, and widespread adoption.

Industries such as medical, transportation, and embedded systems often rely on SMART's DDR3 modules to meet their stringent longevity and budgetary requirements. Manufacturers and suppliers have recognized this enduring demand, ensuring continued support and availability of DDR3 DRAM modules to maintain the operational integrity of existing systems and to safeguard investments in legacy infrastructure.



Ordering Information

240 PIN - DDR3 ECC UDIMM							
SMART Part Number	Density	Height (mm)	Module Config	Device Config	Speed	Voltage	Temp*
SP1027UV351838NE	8GB	30.00	1Gb x72	512Mx8	1866MT/s	1.35V	0°C to +70°C
SP1027UD351838NE	8GB	30.00	1Gb x72	512Mx8	1866MT/s	1.5V	0°C to +70°C
SP1027UD351838GB	8GB	30.00	1Gb x72	512Mx8	1866MT/s	1.5V	0°C to +70°C
SP5127UV351838NE	4GB	30.00	512Mb x72	512Mx8	1866MT/s	1.35V	0°C to +70°C
SP5127UV351838GB	4GB	30.00	512Mb x72	512Mx8	1866MT/s	1.35V	0°C to +70°C
SP5127UD351838NE	4GB	30.00	512Mb x72	512Mx8	1866MT/s	1.5V	0°C to +70°C
SP2567UV325838NJ	2GB	30.00	256Mb x72	256Mx8	1866MT/s	1.35V	0°C to +70°C
240 PIN - DDR3 Non-ECC UDIMM							
SMART Part Number	Density	Height (mm)	Module Config	Device Config	Speed	Voltage	Temp*
SPI1026UV351838NE	8GB	30.00	1Gb x64	512Mx8	1866MT/s	1.35V	-40°C to +85°C
SP1026UV351838NE	8GB	30.00	1Gb x64	512Mx8	1866MT/s	1.35V	0°C to +70°C
SPI5126UV351838NE	4GB	30.00	512Mb x64	512Mx8	1866MT/s	1.35V	-40°C to +85°C
SP5126UV351838NE	4GB	30.00	512Mb x64	512Mx8	1866MT/s	1.35V	0°C to +70°C

* Reflects Operating Ambient Temperature

Ordering Information

240 PIN - DDR3 ECC VLP UDIMM							
SMART Part Number	Density	Height (mm)	Module Config	Device Config	Speed	Voltage	Temp*
SP1027UV351816NEV	8GB	18.29	1Gb x72	512Mx8	1600MT/s	1.35V	0°C to +70°C
SP5127UV351816NEV	4GB	18.75	512Mb x72	512Mx8	1600MT/s	1.35V	0°C to +70°C
240 PIN - DDR3 Non-ECC VLP UDIMM							
SMART Part Number	Density	Height (mm)	Module Config	Device Config	Speed	Voltage	Temp*
SP1026UV351816NEV	8GB	18.29	1Gb x64	512Mx8	1600MT/s	1.35V	0°C to +70°C
244 PIN - DDR3 ECC Mini-UDIMM							
SMART Part Number	Density	Height (mm)	Module Config	Device Config	Speed	Voltage	Temp*
SP5127ML351816NE	8GB	30.00	1Gb x72	1Gx8	1600MT/s	1.35V	0°C to +70°C
244 PIN - DDR3 ECC ULP (17.8mm) and VLP (18.8mm) Mini-UDIMM							
SMART Part Number	Density	Height (mm)	Module Config	Device Config	Speed	Voltage	Temp*
SP1027ML351816MPU	8GB	17.78	1Gb x72	512Mx8	1600MT/s	1.35V	0°C to +70°C
SP1027ML351893NEU	8GB	17.78	1Gb x72	512Mx8	1333MT/s	1.35V	0°C to +70°C
SPI5127ML351816NEV	4GB	18.75	512Mb x72	512Mx8	1600MT/s	1.35V	-40°C to +85°C
SP5127ML351816NEV	4GB	18.75	512Mb x72	512Mx8	1600MT/s	1.35V	0°C to +70°C
SP2567MU325838NJV	2GB	18.75	256Mb x72	256Mx8	1866MT/s	1.5V	0°C to +70°C
204 PIN - DDR3 Non-ECC SODIMM							
SMART Part Number	Density	Height (mm)	Module Config	Device Config	Speed	Voltage	Temp
SPT2046SV310816GB	16GB	30.00	2Gb x64	1Gx8	1600MT/s	1.35V	-40°C to +85°C
SP2046SV310816GB	16GB	30.00	2Gb x64	1Gx8	1600MT/s	1.35V	0°C to +70°C
SPI1026SV351838NE	8GB	30.00	1Gb x64	512Mx8	1866MT/s	1.35V	-40°C to +85°C
SP1026SV351838NE	8GB	30.00	1Gb x64	512Mx8	1866MT/s	1.35V	0°C to +70°C
SP1026SV351838MP	8GB	30.00	1Gb x64	512Mx8	1866MT/s	1.35V	0°C to +70°C
SP1026SV310816GB	8GB	30.00	1Gb x64	1Gx8	1600MT/s	1.35V	0°C to +70°C
SP1026SV351816MP	8GB	30.00	1Gb x64	512Mx8	1600MT/s	1.35V	0°C to +70°C
SP5126SV351838NE	4GB	30.00	512Mb x64	512Mx8	1866MT/s	1.35V	0°C to +70°C
SPI5126SV351838NE	4GB	30.00	512Mb x64	512Mx8	1866MT/s	1.35V	-40°C to +85°C
SP5126SV351816NE	4GB	30.00	512Mb x64	512Mx8	1600MT/s	1.35V	0°C to +70°C
SP5126SV351816MP	4GB	30.00	512Mb x64	512Mx8	1600MT/s	1.35V	0°C to +70°C
SPI5126SV325838NJ	4GB	30.00	512Mb x64	256Mx8	1866MT/s	1.35V	-40°C to +85°C
SP5126SV325838NJ	4GB	30.00	512Mb x64	256Mx8	1866MT/s	1.35V	0°C to +70°C
SP5126SV321616NE	4GB	30.00	512Mb x64	256Mx16	1600MT/s	1.35V	0°C to +70°C
SP2566SV321638NE	2GB	30.00	256Mb x64	256Mx16	1866MT/s	1.35V	0°C to +70°C
SPI2566SV325838NJ	2GB	30.00	256Mb x64	256Mx8	1866MT/s	1.35V	-40°C to +85°C
SP2566SV325838NJ	2GB	30.00	256Mb x64	256Mx8	1866MT/s	1.35V	0°C to +70°C
SP1286SV312638NJ	1GB	31.00	128Mb x64	128Mx16	1866MT/s	1.35V	0°C to +70°C
204 PIN - DDR3 ECC SODIMM							
SMART Part Number	Density	Height (mm)	Module Config	Device Config	Speed	Voltage	Temp*
SPI1027SV351816NE	8GB	30.00	1Gb x72	512Mx8	1600MT/s	1.35V	-40°C to +85°C
SP1027SV351816NE	8GB	30.00	1Gb x72	512Mx8	1600MT/s	1.35V	0°C to +70°C
SP5127SV351838NE	4GB	25.40	512Mb x72	512Mx8	1866MT/s	1.35V	0°C to +70°C
SPI5127SV351816NE	4GB	25.40	512Mb x72	512Mx8	1600MT/s	1.35V	-40°C to +85°C
SPI2567SO325838NJ	2GB	25.40	256Mb x72	256Mx8	1866MT/s	1.5V	-40°C to +85°C

* Reflects Operating Ambient Temperature

Ordering Information

204 PIN - DDR3 ECC VLP SODIMM							
SMART Part Number	Density	Height (mm)	Module Config	Device Config	Speed	Voltage	Temp*
SP2567SO325838NVJ	2GB	25.40	256Mb x72	256Mx8	1866MT/s	1.5V	0°C to +70°C

216 PIN - DDR3 MIP							
SMART Part Number	Density	Height (mm)	Module Config	Device Config	Speed	Voltage	Temp*
SP2566MP321638NE	2GB	22.25	256Mb x64	256Mx16	1866MT/s	1.35V	0°C to +70°C

* Reflects Operating Ambient Temperature



For more information, please visit: www.smartm.com

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