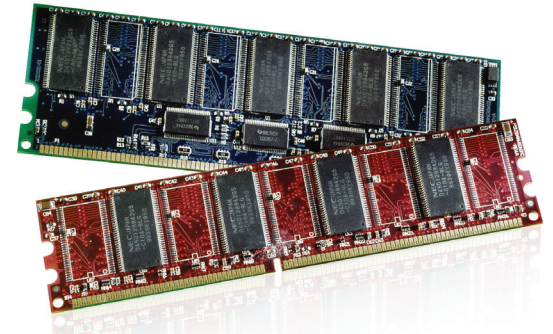


DDR2 Memory Modules

SMART Modular Technologies offers a complete lineup of DDR2 memory modules. With many advantages over standard DDR memory, including higher speeds (400 MHz to 800 MHz), lower I/O voltage 1.8V, and lower power consumption, SMART supports industry standard 240-pin DIMM, 200-pin SO-DIMM and 244-pin Mini-DIMM modules. SMART also accommodates custom DDR2 module designs based on specific OEM requirements or application trends.

Features & Benefits

- Leading-edge memory technology
- Multiple advantages over standard DDR
- Higher speeds - 400 MHz to 800 MHz
- 1.8V
- Density ranges from 256MB to 4GB



DDR2 Ordering Information

240 PIN - DDR2 Registered DIMM

SMART Part Number	Density	Height (mm)	Module Config	Device Config	Speed	Voltage	Temp
SH1027RD251252MC	8GB	30	1G x72	512M x4	667 MT/s	1.8V	0°C to +70°C
SS5127RD225652MM	4GB	30	512M x72	256M x4	667 MT/s	1.8V	0°C to +70°C
SS2567RD225652MM	2GB	30	256M x72	256M x4	667 MT/s	1.8V	0°C to +70°C
SH2567RD212843MM	2GB	30	256M x72	128M x8	533 MT/s	1.8V	0°C to +70°C
SH2567RD212852SJ	2GB	30	256M x72	128M x8	667 MT/s	1.8V	0°C to +70°C
SH2567RD212843SJ	2GB	30	256M x72	128M x8	533 MT/s	1.8V	0°C to +70°C
SH2567RD212852MM	2GB	30	256M x72	128M x8	667 MT/s	1.8V	0°C to +70°C
SH1287RD212835SJ	1GB	30	128M x72	128M x8	400 MT/s	1.8V	0°C to +70°C
SH1287RD212851SJ	1GB	30	128M x72	128M x8	800 MT/s	1.8V	0°C to +70°C
SS1287RD212443MH	1GB	30	128M x72	128M x4	533 MT/s	1.8V	0°C to +70°C
SH647RD264835SN	512MB	30	64M x72	64M x8	400MT/s	1.8V	0°C to +70°C
SH647RD264835MH	512MB	30	64M x72	64M x8	400 MT/s	1.8V	0°C to +70°C
SH647RD264852MH	512MB	30	64M x72	64M x8	667 MT/s	1.8V	0°C to +70°C

240 PIN - DDR2 VLP Registered DIMM

SMART Part Number	Density	Height (mm)	Module Config	Device Config	Speed	Voltage	Temp
SH2567RD212852MMV	2GB	18.3	256M x72	128M x8	667 MT/s	1.8V	0°C to +70°C
SH2567RD212851SJV	2GB	18.3	256M x72	128M x8	800 MT/s	1.8V	0°C to +70°C
SH2567RD225651MMV	2GB	18.3	256M x72	256M x4	800 MT/s	1.8V	0°C to +70°C
SS1287RD212851MMV	1GB	18.3	128M x72	128M x8	800 MT/s	1.8V	0°C to +70°C
SS1287RD212852SJV	1GB	18.3	128M x72	128M x8	667 MT/s	1.8V	0°C to +70°C

240 PIN - DDR2 Unbuffered ECC DIMM

SMART Part Number	Density	Height (mm)	Module Config	Device Config	Speed	Voltage	Temp
SH2567UD212852SJ	2GB	30	256M x72	128M x8	667 MT/s	1.8V	0°C to +70°C
SH2567UD212851SJ	2GB	30	256M x72	128M x8	800 MT/s	1.8V	0°C to +70°C
SH1287UD212852SJ	1GB	30	128M x72	128M x8	667 MT/s	1.8V	0°C to +70°C
SH647UD264852WK	512MB	30	64M x72	64M x8	667 MT/s	1.8V	0°C to +70°C

DDR2

DDR2 Ordering Information

240 PIN - DDR2 VLP Unbuffered Non-ECC DIMM

SMART Part Number	Density	Height (mm)	Module Config	Device Config	Speed	Voltage	Temp
SS1287UD212852SJV	1GB	18.3	128M x72	128M x8	667 MT/s	1.8V	0°C to +70°C

240 PIN - DDR2 Unbuffered Non-ECC DIMM

SMART Part Number	Density	Height (mm)	Module Config	Device Config	Speed	Voltage	Temp
SH2566UD212851SJ	2GB	30	256M x64	128M x8	800 MT/s	1.8V	0°C to +70°C
SH1286UD212851SJ	1GB	30	128M x64	128M x8	800 MT/s	1.8V	0°C to +70°C
SH1286UD212852SJ	1GB	30	128M x64	128M x8	667 MT/s	1.8V	0°C to +70°C
SS646UD264851SN	512MB	30	64M x64	64M x8	800 MT/s	1.8V	0°C to +70°C

244 PIN - DDR2 Registered Mini-RDIMM

SMART Part Number	Density	Height (mm)	Module Config	Device Config	Speed	Voltage	Temp
SS5127MR225861MC	4GB	30	512M x72	256M x8	800 MT/s	1.8V	0°C to +70°C
SS2567MR212852NH	2GB	30	256M x72	128M x8	667 MT/s	1.8V	0°C to +70°C
SS2567MR212852MM	2GB	30	256M x72	128M x8	667 MT/s	1.8V	0°C to +70°C
SS2567MR212851MM	2GB	30	256M x72	128M x8	800 MT/s	1.8V	0°C to +70°C
SS2567MR212852SJ	2GB	30	256M x72	128M x8	667 MT/s	1.8V	0°C to +70°C
SSI287MR212843NH	1GB	30	128M x72	128M x8	533 MT/s	1.8V	-40°C to +85°C
SS1287MR212851MM	1GB	30	128M x72	128M x8	800 MT/s	1.8V	0°C to +70°C
SS1287MR212851NH	1GB	30	128M x72	128M x8	800 MT/s	1.8V	0°C to +70°C

244 PIN - DDR2 VLP Registered Mini-RDIMM

SMART Part Number	Density	Height (mm)	Module Config	Device Config	Speed	Voltage	Temp
SH5127MR225852MVCV	4GB	18.3	512M x72	256M x8	667 MT/s	1.8V	0°C to +70°C
SS2567MR212851SJV	2GB	18.3	256M x72	128M x8	800 MT/s	1.8V	0°C to +70°C
SS2567MR212852NHV	2GB	18.3	256M x72	128M x8	667 MT/s	1.8V	0°C to +70°C
SH2567MR225861MVCV	2GB	18.3	256M x72	256M x8	800 MT/s	1.8V	0°C to +70°C
SH1287MR212851SJV	1GB	18.3	128M x72	128M x8	800 MT/s	1.8V	0°C to +70°C
SH1287MR212851MMV	1GB	18.3	128M x72	128M x8	800 MT/s	1.8V	-40°C to +85°C
SS1287MR212852MMV	1GB	18.3	128M x72	128M x8	667 MT/s	1.8V	0°C to +70°C
SH647MR264852SNV	512MB	18.3	64M x72	64M x8	667 MT/s	1.8V	0°C to +70°C

244 PIN - DDR2 Unbuffered ECC Mini-UDIMM

SMART Part Number	Density	Height (mm)	Module Config	Device Config	Speed	Voltage	Temp
SS1287MU212852SJ	1GB	30	128M x72	128M x8	667 MT/s	1.8V	0°C to +70°C

244 PIN - DDR2 VLP Unbuffered ECC Mini-UDIMM

SMART Part Number	Density	Height (mm)	Module Config	Device Config	Speed	Voltage	Temp
SS1287MU212861SJV	1GB	18.3	128M x72	128M x8	800 MT/s	1.8V	0°C to +70°C
SH1287MU212852SJV	1GB	18.3	128M x72	128M x8	667 MT/s	1.8V	0°C to +70°C
SH647MU264852MHV	512MB	18.3	64M x72	64M x8	667 MT/s	1.8V	0°C to +70°C

200 PIN - DDR2 Registered ECC SOR-DIMM

SMART Part Number	Density	Height (mm)	Module Config	Device Config	Speed	Voltage	Temp
SS2567SR212852MM	2GB	30	256M x72	128M x8	667 MT/s	1.8V	0°C to +70°C
SH2567SR225852MVC	2GB	30	256M x72	256M x8	667 MT/s	1.8V	0°C to +70°C
SS1287SR212852SJ	1GB	30	128M x72	128M x8	667 MT/s	1.8V	0°C to +70°C
SST647SR264852WK	512MB	30	64M x72	64M x8	667 MT/s	1.8V	-40°C to +85°C
SS647SR264851WK	512MB	30	64M x72	64M x8	800 MT/s	1.8V	0°C to +70°C

200 PIN - DDR2 Unbuffered ECC SOC-DIMM

SMART Part Number	Density	Height (mm)	Module Config	Device Config	Speed	Voltage	Temp
SST2567SO212843MM	2GB	30	256M x72	128M x8	533 MT/s	1.8V	-40°C to +85°C
SS2567SO212852SJ	2GB	30	256M x72	128M x8	667 MT/s	1.8V	0°C to +70°C
SSI287SO212851SJ	1GB	30	128M x72	128M x8	800 MT/s	1.8V	0°C to +70°C
SS647SO264852WK	512MB	30	64M x72	64M x8	667 MT/s	1.8V	0°C to +70°C

200 PIN - DDR2 Unbuffered Non-ECC SO-DIMM

SMART Part Number	Density	Height (mm)	Module Config	Device Config	Speed	Voltage	Temp
SHI2566SO212852MM	2GB	30	256M x64	128M x8	667 MT/s	1.8V	-40°C to +85°C
SHI2566SO212852NH	2GB	30	256M x64	128M x8	667 MT/s	1.8V	-40°C to +85°C
SH2566SO212861MM	2GB	30	256M x64	128M x8	800 MT/s	1.8V	0°C to +70°C
SS2566SO212843MM	2GB	30	256M x64	128M x8	533 MT/s	1.8V	0°C to +70°C
SS2566SO212852MM	2GB	30	256M x64	128M x8	667 MT/s	1.8V	0°C to +70°C

DDR2 Ordering Information

200 PIN - DDR2 Unbuffered Non-ECC SO-DIMM continued							
SMART Part Number	Density	Height (mm)	Module Config	Device Config	Speed	Voltage	Temp
SS2566SO225861MC	2GB	30	256M x64	256M x8	800 MT/s	1.8V	0°C to +70°C
SH2566SO212852SJ	2GB	30	256M x64	128M x8	667 MT/s	1.8V	0°C to +70°C
SH2566SO212861SJ	2GB	30	256M x64	128M x8	800 MT/s	1.8V	0°C to +70°C
SST1286SO264652MM	1GB	30	128M x64	64M x16	667 MT/s	1.8V	-40°C to +85°C
SST1286SO264652WK	1GB	30	128M x64	64M x16	667 MT/s	1.8V	-40°C to +85°C
SS1286SO212852MM	1GB	30	128M x64	128M x8	667 MT/s	1.8V	0°C to +70°C
SH1286SO264852WK	1GB	30	128M x64	64M x16	667 MT/s	1.8V	0°C to +70°C
SS1286SO264652MM	1GB	30	128M x64	64M x16	667 MT/s	1.8V	0°C to +70°C
SH1286SO264852MH	1GB	30	128M x64	64M x16	667 MT/s	1.8V	0°C to +70°C
SH1286SO264852SN	1GB	30	128M x64	64M x8	667 MT/s	1.8V	0°C to +70°C
SS1286SO212852SJ	1GB	30	128M x64	128M x8	667 MT/s	1.8V	0°C to +70°C
SST646SO264861WK	512MB	30	64M x64	64M x8	800 MT/s	1.8V	-40°C to +85°C
SS646SO232652MH	512MB	30	64M x64	32M x16	667 MT/s	1.8V	0°C to +70°C
SS646SO264652MM	512MB	30	64M x64	64M x16	667 MT/s	1.8V	0°C to +70°C
SS646SO264852MH	512MB	30	64M x64	64M x8	667 MT/s	1.8V	0°C to +70°C
SS646SO264861WK	512MB	30	64M x64	64M x8	800 MT/s	1.8V	0°C to +70°C
SS326SO232652SN	256MB	30	32M x64	32M x16	667 MT/s	1.8V	0°C to +70°C
SS326SO232651SN	256MB	30	32M x64	32M x16	800 MT/s	1.8V	0°C to +70°C
SS326SO232652MH	256MB	30	32M x64	32M x16	667 MT/s	1.8V	0°C to +70°C

Contact information

Corporate Headquarters/North America: T: (+1) 800-956-7627 • T: (+1) 510-623-1231 • F: (+1) 510-623-1434 • E: info@smartm.com

Customer Service: T: (+1) 978-303-8500 • E: customers@smartm.com

Latin America: T: (+55) 11 4417-7200 • E: sales.br@smartm.com

EMEA: T: (+44) 7825-084427 • E: sales.euro@smartm.com

Asia/Pacific: T: (+65) 6678-7670 • E: sales.asia@smartm.com

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

