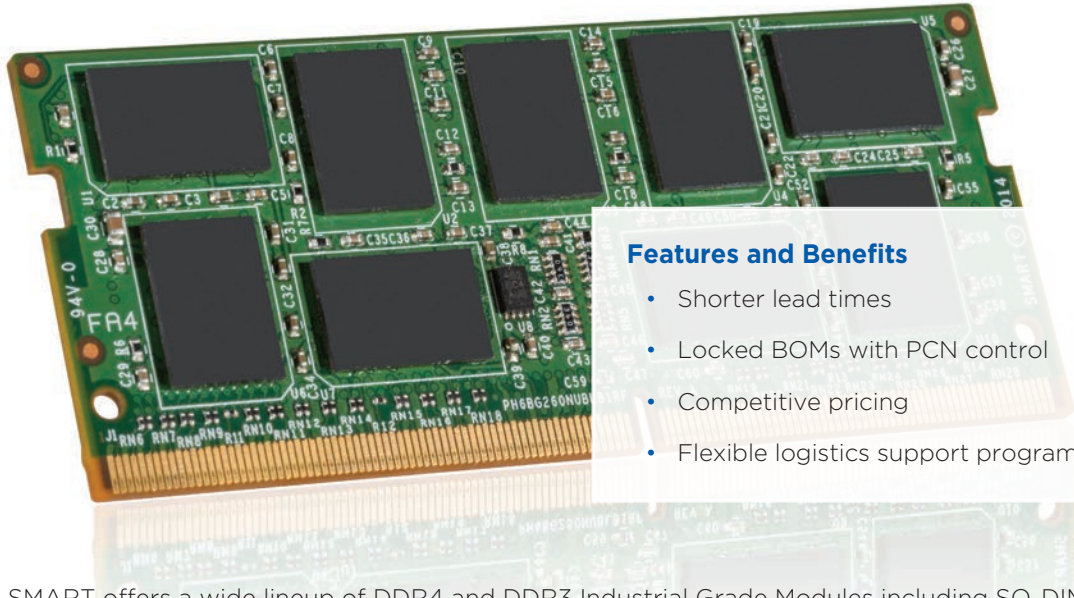


Industrial Grade Modules

Industrial Memory



Features and Benefits

- Shorter lead times
- Locked BOMs with PCN control
- Competitive pricing
- Flexible logistics support programs

SMART offers a wide lineup of DDR4 and DDR3 Industrial Grade Modules including SO-DIMM, Mini-DIMM, RDIMM, UDIMM, and XR-DIMM. SMART's Industrial Grade Modules are 100% system tested from -40° C to +85° C. SMART also supports extended temperature ranges beyond industrial grade from -50° C ambient to +105° C ambient. Testing duration for Industrial and Extended Grade Modules varies depending on density and is done using high utilization test software. SMART's rigorous testing process is specifically designed to ensure these modules are well-suited to operate in harsh, long-life computing environments.

Applications

- Base stations and outdoor telecom equipment
- Ideal for industrial, defense, aerospace, kiosk and digital signage
- Densely configured computing applications with limited airflow
- Other server and storage applications

DDR4 Industrial Grade Memory Modules - Ordering Information

288-PIN - DDR4 Registered DIMM

SMART Part Number	Density	Height (mm)	Module Config	Device Config	Speed	Voltage	Temp
SHI4097RD420472SB	32GB	31.25	4Gx72	2Gx4	2400 MT/s	1.2V	-40°C to +85°C
SHI4097RD420451SB	32GB	31.25	4Gx72	2Gx4	2133 MT/s	1.2V	-40°C to +85°C
SHI1027RD410451SE	8GB	31.25	1Gx72	1Gx4	2133 MT/s	1.2V	-40°C to +85°C

288-PIN - DDR4 Unbuffered DIMM

SMART Part Number	Density	Height (mm)	Module Config	Device Config	Speed	Voltage	Temp
SHI2047UD410851SB	16GB	31.25	2Gx72	1G x8	2133 MT/s	1.2V	-40°C to +85°C

DDR4 Industrial Grade Memory Modules - Ordering Information continued

288-PIN - DDR4 VLP Registered DIMM

SMART Part Number	Density	Height (mm)	Module Config	Device Config	Speed	Voltage	Temp
SHI2047RD420472SBV	16GB	18.75	2Gx72	2Gx4	2400 MT/s	1.2V	-40°C to +85°C
SHI2047RD420451SBV	16GB	18.75	2Gx72	2Gx4	2133 MT/s	1.2V	-40°C to +85°C

260-PIN - DDR4 Non-ECC SODIMM

SMART Part Number	Density	Height (mm)	Module Config	Device Config	Speed	Voltage	Temp
SHI2046SO410872-SB	16GB	30.00	2Gx72	1G x8	2400 MT/s	1.2V	-40°C to +85°C
SHI1026SO451872-SE	8GB	30.00	1G x72	512M x8	2400 MT/s	1.2V	-40°C to +85°C

260-PIN - DDR4 ECC SODIMM

SMART Part Number	Density	Height (mm)	Module Config	Device Config	Speed	Voltage	Temp
SHI2047SO410872SB	16GB	30.00	2G x72	1G x8	2400 MT/s	1.2V	-40°C to +85°C
SHI2047SO410851SB	16GB	30.00	2G x72	1G x8	2133 MT/s	1.2V	-40°C to +85°C
SHI1027SO451872SE	8GB	30.00	1G x72	512M x8	2400 MT/s	1.2V	-40°C to +85°C
SHI1027SO451851SE	8GB	30.00	1G x72	512M x8	2133 MT/s	1.2V	-40°C to +85°C
SHI5127SO451872SE	4GB	30.00	512M x72	512M x8	2400 MT/s	1.2V	-40°C to +85°C
SHI5127SO451851SE	4GB	30.00	512M x72	512M x8	2133 MT/s	1.2V	-40°C to +85°C

DDR3 Industrial Grade Memory Modules - Ordering Information

240 PIN - DDR3 VLP RDIMM

SMART Part Number	Density	Height (mm)	Module Config	Device Config	Speed	Voltage	Temp
SHI1027RV351816SEV	8GB	30.00	1G x72	512M x8	1600 MT/s	1.35V	-40°C to +85°C

204 PIN - DDR3 Non-ECC SO-DIMM

SMART Part Number	Density	Height (mm)	Module Config	Device Config	Speed	Voltage	Temp
SHI2046SV310816MA	16GB	30.00	2G x64	1G x8	1600 MT/s	1.35V	-40°C to +85°C
SHI1026SV351816SE	8GB	30.00	1G x64	512M x8	1600 MT/s	1.35V	-40°C to +85°C
SHI5126SV325816SF	4GB	30.00	512M x64	256M x8	1600 MT/s	1.35V	-40°C to +85°C
SHI5126SV351816SD	4GB	30.00	512M x64	512M x8	1600 MT/s	1.35V	-40°C to +85°C
SHI2566SV325816MK	2GB	30.00	256M x64	256M x8	1600 MT/s	1.35V	-40°C to +85°C
SHI2566SV325816SF	2GB	30.00	256M x64	256M x8	1600 MT/s	1.35V	-40°C to +85°C
SHI1286SV312816SI	1GB	30.00	128M x64	128M x8	1600 MT/s	1.35V	-40°C to +85°C

204 PIN - DDR3 ECC SORDIMM

SMART Part Number	Density	Height (mm)	Module Config	Device Config	Speed	Voltage	Temp
SHI1027SL351816SE	8GB	30.00	1G x72	512M x8	1600 MT/s	1.35V	-40°C to +85°C
SHI5127SL351816SE	4GB	30.00	512M x72	512M x8	1600 MT/s	1.35V	-40°C to +85°C

204 PIN - DDR3 ECC SODIMM

SMART Part Number	Density	Height (mm)	Module Config	Device Config	Speed	Voltage	Temp
SHI1027SV351816SE	8GB	30.00	1G x72	512M x8	1600 MT/s	1.35V	-40°C to +85°C
SHI2567SO325838NIV	2GB	25.40	256M x72	256M x8	1866 MT/s	1.5V	-40°C to +85°C

244 PIN - DDR3 VLP Registered Mini-RDIMM

SMART Part Number	Density	Height (mm)	Module Config	Device Config	Speed	Voltage	Temp
SHI1027MV351816SDV	8GB	18.30	1G x72	512M x8	1600 MT/s	1.35V	-40°C to +85°C
SHI1027MV351816HBV	8GB	18.30	1G x72	512M x8	1600 MT/s	1.35V	-40°C to +85°C

244 PIN - DDR3 VLP Registered Mini-UDIMM

SMART Part Number	Density	Height (mm)	Module Config	Device Config	Speed	Voltage	Temp
SHI5127ML351816SEV	4GB	18.75	512M x72	512M x8	1600 MT/s	1.35V	-40°C to +85°C
SHI2567ML325816SFV	2GB	18.75	256M x72	256M x8	1600 MT/s	1.35V	-40°C to +85°C
SHI1287MU312893MJV	1GB	18.75	128M x72	128M x8	1333 MT/s	1.5V	-40°C to +85°C

244 PIN - DDR3 ULP Registered Mini-UDIMM

SMART Part Number	Density	Height (mm)	Module Config	Device Config	Speed	Voltage	Temp
SHI1027ML351816SEU	8GB	17.78	1G x72	512M x8	1600 MT/s	1.35V	-40°C to +85°C

240 PIN - DDR3 XR-DIMM

SMART Part Number	Density	Height (mm)	Module Config	Device Config	Speed	Voltage	Temp
SHI5127XV325816SF	4GB	17.78	512M x72	256M x8	1600 MT/s	1.35V	-40°C to +85°C

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