SMART Modular Technologies supports a complete lineup of DDR4 memory modules. These include VLP-DIMM, SODIMM, Mini-RDIMM, Mini-UDIMM, and LRDIMM. SMART’s DDR4 modules range from 32GB to 4GB, configured as x4 and x8 running at DDR4-2400 and DDR4-2133 speed grades. SMART conducts a rigorous design review process to ensure optimal performance and reliability. SMART also offers economic Value Memory in DDR4.

**DDR4 Memory Modules**

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**Features & Benefits**

- 20% lower overall power vs. DDR3
- 1.2V VDD
- Write Cyclic Redundancy Check (CRC) is supported at all speed grades to assure better reliability in systems
- Higher speeds starting at DDR4-2400

### DDR4 Ordering Information

#### 288 PIN - DDR4 NVDIMM

<table>
<thead>
<tr>
<th>SMART Part Number</th>
<th>Density</th>
<th>Height (mm)</th>
<th>Module Config</th>
<th>Device Config</th>
<th>Speed</th>
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#### 288-PIN - DDR4 RDIMM

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### 288-PIN - DDR4 Mini-RDIMM

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<th>SMART Part Number</th>
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<th>Module Config</th>
<th>Device Config</th>
<th>Speed</th>
<th>Voltage</th>
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### 288-PIN - DDR4 ULP Mini-RDIMM

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### 288-PIN - DDR4 VLP Mini-RDIMM

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## DDR4 Ordering Information

### 260-PIN - DDR4 ECC SO-DIMM

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### 288-PIN - DDR4 Non-ECC UDIMM

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<tbody>
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### 288-PIN - DDR4 ECC UDIMM

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### 288-PIN - DDR4 ECC ULP UDIMM

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<tbody>
<tr>
<td>ST4097UD420825SAU</td>
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### 288-PIN - DDR4 ULP Mini-UDIMM

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### 288-PIN - DDR4 VLP Mini-UDIMM

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**SMART Modular Technologies**
### 288-PIN - DDR4 VLP Mini-UDIMM continued

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### 288-PIN - DDR4 LRDIMM

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### 216 PIN - DDR4 MIP

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