Designed for today’s data intensive environments, the Nobilis i1066R2 2U rackmount server is optimized for mainstream applications and features a single processor solution that supports high memory capacity plus storage expansion. It is configured with 8x 3.5” hot swap/2x 3.5” fixed HDDs, up to 512GB ECC DDR4 memory, support for up to 18 cores, 6 PCIe Gen 3.0 slots, and multiple I/O expansion slots for scalability. This single socket processor features a motherboard that supports an Intel® Xeon® E5-2600 v4 and E5-1600 v3 family processor and dual GbE network ports, making this the right solution for purpose-built embedded appliances, storage, datacenter and the cloud.

E5-1600 v3 Features

• Supports up to 512GB DDR4 memory compared to the E3-1200 (32GB max).
• Features more PCIe lanes (40) than E3-1200 (20). Plus, the E5-1600 v3 does not require two processors for slot enablement.
• Supports higher frequency processors (up to 3.7 GHz) compared to E3-1200 and E5-2600.
• Allows future expansion as business grows (memory, I/O slots).
• Pricing advantage over two socket E5-2600 motherboard.
• Perfect middle market opportunity when E3-1200 series systems are not quite enough but dual socket E5-2600 series systems are too much.

Specification Highlights

**Processor**
1x E5-1600 v3 (2600 v4) family (supports up to 18 cores per processor and 45MB of cache per CPU)

**Chipset**
Intel C612

**Form Factor**
2U Rackmount

**Storage**
8x 3.5” hot swap and 2x 3.5” fixed SAS/SATA HDD bays

**Power Supply**
560W fixed or 720W redundant power supplies

**Networking**
Intel i350-AM2 dual port GbE LAN

**Memory**
Up to 512GB ECC DDR4 2133MHz LRDIMM; 8x DIMM slots

Contact Information

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# Nobilis i1066R2 2U Rackmount Server

Mainstream application optimized server
Intel Xeon E5-1600 v3 (2600 v4) processor
Up to 512GB DDR4 memory
Multiple I/O expansion slots for scalability

## i1066R2 SPECIFICATIONS

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Form Factor:</strong></td>
<td>2U rackmount</td>
</tr>
<tr>
<td><strong>Processor / System Bus:</strong></td>
<td>Single Socket R3 (LGA2011) 1x Intel Xeon E5-1600 v3 (2600 v4) processor family (supports up to 18 cores per processor and 45MB of cache per CPU)</td>
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<tr>
<td><strong>Dimensions:</strong></td>
<td>17.2” (W) x 25.5” (D) x 3.5” (H)</td>
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<td><strong>Core Logic:</strong></td>
<td>Intel C612</td>
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<tr>
<td><strong>Memory:</strong></td>
<td>Up to 512GB ECC DDR4 2133MHz LRDIMM; 8x DIMM slots</td>
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</tbody>
</table>
| **Expansion Slots:**         | 6x low profile PCIe Gen 3.0 slots
+ 2 PCIe 3.0 x8, 1 PCIe 3.0 x4 (in x8), 1 PCIe 3.0 x16, 1 PCIe 2.0 x2 (in x8), 1 PCIe 2.0 x4 (in x8) |
| **Storage:**                 | 10x SATA3 (Gbps) via C612                          |
| **HDD Bays:**                | 8x 3.5” hot swap SAS/SATA HDD bays
+ 2x fixed 3.5” drive bays    |
| **Networking:**              | Intel i350-AM2 dual port GbE LAN                    |
| **On-Board I/O:**            | 4x USB 3.0 ports
+ 8x USB 2.0 ports            |
| **Expandability:**           | 1x VGA
+ 2x COM
+ 1x TPM
+ 2x SuperDOM with built-in power |
| **Optical Drive:**           | 1x Slim DVD ROM drive (optional)                   |
| **Fans:**                    | Adjustable air shroud                              |
| **Management Solution:**     | Remote management with dedicated NIC               |
| **Power Supply:**            | 560W fixed or 720W redundant power supplies        |
| **Warranty:**                | Multiple warranty options                          |

*Supermicro X10SRi-F Motherboard*