Designed for today's data intensive environments, the Nobilis i1065R1 1U rackmount server is optimized for mainstream applications and features a single processor solution that supports high memory capacity. It is configured with 4x 3.5" hot swap HDDs, up to 512GB ECC DDR4 memory, support for up to 18 cores, and 1 PCIe x16 slot for scalability. This single socket processor features a motherboard that supports an Intel® Xeon® E5-1600/2600 family processor and dual GbE network ports, making this the right solution for purpose-built embedded appliances, storage, datacenter and the cloud.

E5-1600/2600 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 E5-1600/2600 family (supports up to 18 cores per processor and 45MB of cache per CPU)

**Chipset**
Intel C612

**Form Factor**
1U Rackmount

**Storage**
4x 3.5" hot swap SAS/SATA HDD bays

**Power Supply**
350W fixed or 400W 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 i1065R1 1U Rackmount Server

Mainstream application optimized server

- Intel Xeon E5-1600/2600 processor
- Up to 512GB DDR4 memory
- PCIe Gen 3.0 x16 expansion slot

## I1065R1 SPECIFICATIONS

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<th>Specification</th>
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<td><strong>Form Factor:</strong></td>
<td>1U rackmount</td>
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| **Processor / System Bus:** | Single Socket R3 (LGA2011)  
1x Intel Xeon E5-1600/2600 processor family supports up to 18 cores per processor and 45MB of cache per CPU |
| **Dimensions:**        | 17.2” (W) x 19.85” (D) x 1.7” (H) |
| **Core Logic:**        | Intel C612 |
| **Memory:**            | Up to 512GB ECC DDR4 2133MHz LRDIMM; 8x DIMM slots |
| **Expansion Slots:**   | 1x PCIe 3.0 x16 slot  
1x full height, half length I/O expansion slot |
| **Storage:**           | 10x SATA3 (Gbps) via C612 |
| **HDD Bays:**          | 4x 3.5” hot swap SAS/SATA HDD 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:**              | 4x 4cm PWM fans |
| **Management Solution:** | Remote management with dedicated NIC |
| **Power Supply:**      | 350W fixed or 400W redundant power supplies |
| **Warranty:**          | Multiple warranty options |