

# Tyrone Camarero Specifications

# Tyrone®

## Camarero DS4007E1-445R

### Key features

- **Corporate Database, Database Processing & Storage, Enterprise Server, HPC, Data Center, iSCSI SAN**
- 2nd Generation Intel® Xeon® Scalable Processors (Cascade Lake-SP), Intel® Xeon® Scalable Processors., Dual Socket P (LGA 3647) supported, CPU TDP support 205W, 3 UPI up to 10.4 GT/s
- Intel® C621 chipset
- Up to 6TB 3DS ECC RDIMM, DDR4-2933MHz; Up to 6TB 3DS ECC LRDIMM, DDR4-2933MHz, in 24 DIMM slots; Up to 6TB Intel® Optane™ DC Persistent Memory in memory mode (Cascade Lake only).
- 2 PCI-E 3.0 x16, 1 PCI-E 3.0 x8, 1 SIOM card support (flexible networking), Note: must bundle with Network card
- 45 Hot-swap 3.5" SAS3/SATA3 drive bays with SES3; 2 rear Hot-swap 2.5" drive bays; optional 6 NVMe bays
- Broadcom 3108 SAS3, HW RAID
- Server remote management: IPMI 2.0 / KVM over LAN / Media over LAN
- 5 Hot-swap 8cm rear exhaust PWM fans
- 1600W Redundant Power Supplies Platinum Level (94%)



### Processor/Cache

|           |   |
|-----------|---|
| Processor | 2nd Generation Intel® Xeon® Scalable Processors (Cascade Lake-SP), Intel® Xeon® Scalable Processors., Dual Socket P (LGA 3647) supported, CPU TDP support 205W, 3 UPI up to 10.4 GT/s |
|-----------|---|

### Chipset

|         |                     |
|---------|---------------------|
| Chipset | Intel® C621 chipset |
|---------|---------------------|

### System Memory

|                 |  |
|-----------------|--|
| Memory Capacity | Up to 6TB 3DS ECC RDIMM, DDR4-2933MHz; Up to 6TB 3DS ECC LRDIMM, DDR4-2933MHz, in 24 DIMM slots; Up to 6TB Intel® Optane™ DC Persistent Memory in memory mode (Cascade Lake only). |
|-----------------|--|

### Expansion Slots

|             |  |
|-------------|--|
| PCI-Express | 2 PCI-E 3.0 x16 slots, 1 PCI-E 3.0 x8 slot, 1 SIOM card support, (must bundle with network card) |
|-------------|--|

### Integrated On-Board

|      |  |
|------|--|
| SAS  | SAS 3 (12Gbps) via Broadcom 3108; HW RAID, RAID 0, 1, 5, 6, 10, 50, 60 |
| SATA | SATA 3 (6Gbps) with RAID 0, 1, 5, 10                                   |
| LAN  | 1 RJ45 Dedicated IPMI LAN port   |

### Add-on Options

|               |      |
|---------------|------|
| Optical Drive | None |
|---------------|------|

### Front Panel

|                |   |
|----------------|---|
| LED Indicators | Power status LED, Hard drive activity LED, Network activity LEDs, System Overheat LED, Power fail LED |
| Buttons        | Power On/Off button, System Reset button  |

### Drive Bays

|          |  |
|----------|--|
| HDD Bays | 45 Hot-swap 3.5" SAS3/SATA3 drive bays, 2 Rear Hot-swap 2.5" SATA drive bays |
| Optional | 6 NVMe bays (optional)   |

### Power Supply

1600W Redundant Power Supplies Platinum Level (94%)

### Cooling System

5 Hot-swap 8cm rear exhaust PWM fans

### Form Factor

|             |                   |
|-------------|-------------------|
| Form Factor | 4U Rackmount      |
| Height      | : 7" (178 mm),    |
| Width       | : 17.2" (437 mm), |
| Depth       | : 26" (660 mm)    |

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**For more/current product information, visit  
[www.tyronesystems.com](http://www.tyronesystems.com)**