

BUSINESS STORAGE SOLUTION

Your Business Data Professional

Robust Twelve+™



Configuration Options	Per building block
Processor	Single Intel E3-1200 V3 Single / Dual Intel E5-2600 V3
RAM	Up to 32 GB DDR3 ECC RDIMM (1600Mhz) Up to 256 GB DDR4 ECC RDIMM (2133Mhz) Up to 512 GB DDR4 LRDIMM (2133Mhz)
3.5" HDD Bays	7x Internal, 5x Hot-Swap (Total 12x)
2.5" SSD / HDD Bays	3x Dedicated + 12x Shared with 3.5" Slots
Dedicated 2.5" OS Bays	Yes
Storage Controller	HBA / Software RAID / Hardware RAID
Supported HDD Type	SATA 2 (6Gbps) / SATA 3 (12Gbps)
RAID Mode	0/1/10/5/6/50/60
Network Controller	4x 1Gbps 6x 1Gbps 1x 10Gbps 2x 10Gbps
Chipset	Intel C224 Intel C612
GPU	Onboard / Quadro
Expansion Slots	E3-1200 V3 1x PCIe 3.0 (x16), 1x PCIe 2.0 (x8) E5-2600 V3 3x PCIe 3.0 (x8), 1x PCIe 3.0 (x16), 1x PCIe 3.0 x 4 (in x8), 1x PCIe 2.0 x 4 (x8)
I/O Ports	USB 2.0: 2x Front, 2x Rear, 2x via Header USB 3.0: 2x Front, 2x Rear, 1x via Header Optional: Audio In/Out
Power Supply	Single / Redundant (80-Plus Gold / Platinum)
System Management	IPMI 2.0, Virtual Media & KVM Over LAN
Expansion Unit	Yes, via External Ports
Form Factor	Mid-Tower, Fit into 19" Rack with Tray
Dimension	8.1 x 17.9 x 18.9 inches 207 x 455 x 520 mm
Weight	8.1 KG without HDD
General Operating Temperature	10°C - 35°C (50°F - 95°F)
General Operating Relative Humidity Range	8% - 90% (non-condensing)

Features - Robust Twelve+™

- World 1st High Dense Mid-Tower
- ECC RAM Without High Cost
- Ultimate Cost Saving with Low TCO
- Scale Up to 148TB with Expansion Unit
- Unmatched Performance in its Class
- Convertible to 14 x 2.5" SSD

Recommended for :

- 1) Small and medium company with 1-20 employees
- 2) Managing data less than 148TB

Use Case :

- 3D/Video Production House
- Render Farm Storage
- CRM/ERP Application Server
- Personal Media Storage
- Web/Email Server
- Virtual Machines Host
- Direct Attached Storage
- Backup/Archive Personal Cloud Storage

Robust Data Solution (002060020-M)

+6 03 6261 7237

info@robust.my

www.robust.my/storage