

## D120-C21

### 1U 16-bay Storage Rackmount Server



#### Features

- Intel® Xeon® processor D-1541
- 4 x DIMM slots, 2-channel, DDR4 2400/2133/1866/1600MHz
- 16 x 3.5" HDD slots
- Supports SATA III 6Gb/s via LSI SAS3216 controller
- Supports software RAID 0,1,1E,10
- 2 x 10GbE SFP+ LAN ports (Intel® X552)
- 2 x GbE LAN ports (Intel® I210)
- Aspeed® AST2400 management controller
- 1 x 400W 80 PLUS Gold 100~240V AC PSU

#### Specification

**Dimensions (WxHxD)** 1U  
438 x 43.5 x 867 mm

**Motherboard** MC20-S10

**CPU** Intel® Xeon® D-1541 processor 2.1GHz  
Up to 2.7GHz with Intel® Turbo Boost Technology  
8 cores, 16 threads, 12MB cache, 45W TDP

**Socket** 1 x FCBGA 1667

**Chipset** SoC

**Memory** 4 x DIMM slots  
Supports 1.2V DDR4 memory  
Single & dual rank modules supported  
ECC & non-ECC UDIMM modules supported  
RDIMM supported up to 32GB per module  
UDIMM supported up to 16GB per module  
2400/2133/1866/1600 MHz

**LAN** 2 x 10GbE SFP+ LAN ports (Intel® X552)  
2 x GbE LAN ports (Intel® I210)  
1 x 10/100/1000 management LAN

**Video** Integrated in Aspeed® AST2400  
2D Video Graphic Adapter with PCIe bus interface  
1920x1200@60Hz 32bpp

**Storage** 16 x 3.5" SATA drives

**Expansion Slots** 1 x PCIe x16 (Gen3 x16 bus), Half-length low-profile type  
- occupied by CSA323-G (LSI SAS3216 16-port 12Gb/s)  
  
1 x M.2 slot:  
- M-key, PCIe 3.0 x4 signal  
- Supports NGFF-2280/2260/2242 cards

**Front I/O** 1 x Power button with LED, 1 x ID button with LED, 1 x Reset button,  
1 x LAN LED, 16 x HDD location LEDs, 1 x HDD access LED

**Rear I/O** 2 x SFP+, 3 x RJ45, 2 x USB 3.0, 1 x Power button with LED,  
1 x System status LED

**Power Supply** 1 x 400W PSU  
80 PLUS Gold  
100~240V AC

**System Management** Aspeed® AST2400 management controller  
Avocent® MergePoint IPMI 2.0 web interface:  
Network settings  
Network security settings  
Users control  
Services settings  
IPMI settings  
Sessions control  
LDAP settings  
Power control  
Voltages, fans and temperatures monitoring  
System event log  
Events management (platform events, trap settings, email settings)  
Serial Over LAN  
vKVM & vMedia (launch, configuration)

**OS Compatibility** Windows Server 2008 R2  
Windows Server 2012 R2  
Windows Server 2016  
Red Hat Enterprise Linux 7.1 (x64)  
SUSE Linux Enterprise Server 12 (x64)  
Ubuntu 14.04.2 LTS  
Fedora 22  
CentOS 7.1  
BigTera VirtualStor Scaler

**Operating Properties** Operating temperature: 10°C to 35°C  
Operating humidity: 8%-80% (non-condensing)  
Non-operating temperature: -40°C to 60°C  
Non-operating humidity: 20%-95% (non-condensing)

**Part Numbers** Barebone with rail kit package: 6ND120C21MR-00  
Spare parts:  
- Motherboard: 9MC20S10NR-00  
- Hard Driver HBA: 9CSA323GNR-00  
- Power Supply: 25EP0-20400H-D0S  
- Rail Kit: 25HB2-3A0201-COR  
- VGA Cable: 25CRG-1K1600-B0R in option

\* All specifications are subject to change without notice. Please visit our website for the latest information.

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