Features

- Dual Root Architecture
- Supports up to 2 Double Wide GPU’s
- Nvidia Tesla V100, P100 16GB, P40 24GB selections
- Intel® Xeon® Scalable Processors
- Memory expandable to 3 TB
- Dual 10GbE LAN support
  - options to multiple 25 GbE Enet
  - option to multiple 56Gb/s IB
- Fourteen 2.5” Hot Swap SSD Bays
- Open BMC w/Remote Management
  - Redfish support
- OS Support: W2k12 (x86 & X64), W2k16 x64, RHEL (x6 & x64), RHEL 7.0 – 7.3 x64, SLES

Target: Entry Level - VDI    Data Analytics - Simulation

Specifications

<table>
<thead>
<tr>
<th>Format</th>
<th>2U Rackmount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Motherboard</td>
<td>S7102GM2NR-2T</td>
</tr>
<tr>
<td>Processor</td>
<td>(2) Intel® Xeon® Scalable Processor Family</td>
</tr>
<tr>
<td>Chipset</td>
<td>Intel® C621</td>
</tr>
</tbody>
</table>
| Memory | (24) DIMM slots
  - 6 memory channels per CPU
  - “Up to 768GB RDIMM/ 1,536GB LRDIMM/ 3,072GB RDIMM 3DS/LRDIMM 3DS *Follow latest Intel® DDR4 Memory POR”
  - DDR4 RDIMM/RDIMM 3DS/LRDIMM/LRDIMM 3DS 2666 |
| Front Panel | PWR, ID, 2x USB3.0 ports |
| LEDs | PWR, IPMI/Warning |
| Drivebays | (12) 3.5”/2.5” Hot-Swap HDDs/SSDs |
| Backplane | SAS 12Gb/s, SATA 6Gb/s |
| Expansion Slots | (1) PCI-E Gen3 x8 OCP 2.0 slot (conn.A+conn.C) / (2) PCI-E Gen3 x16 slots (Full-height, 10.5” length, Double-width) or (6) PCI-E Gen3 x8 slots (Full-height, 10.5” length, Single-width) * split by Mux. / (1) PCI-E Gen3 x16 slot (Full-height, Full-length) or (2) PCI-E Gen3 x8 slots (Half-height, Half-length) * split by Mux. / (1) PCI-E Gen3 x8 storage mezz. slot |
| Riser Card | Preinstalled (1) M7102T76-R16-2F riser card for (2) PCI-E Gen3 x16 slots / (2) M7102T76-L16-2F riser card for (4) PCI-E Gen3 x16 slots |

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### System BIOS

<table>
<thead>
<tr>
<th>BIOS Type</th>
<th>AMI / 32MB</th>
</tr>
</thead>
</table>
| BIOS Features | Hardware Monitor  
SMBIOS 3.0  
PnP/Wake on LAN  
Boot from USB device  
PXE via LAN  
Storage  
User Configurable FAN PWM Duty Cycle  
Console Redirection  
ACPI sleeping states S4, S5  
ACPI 6.1 |

### Rear I/O

| LAN | (2) Rj-45 10GbE  
(1) GbE dedicated for IPMI |
<table>
<thead>
<tr>
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</thead>
<tbody>
<tr>
<td>USB</td>
<td>(2) USB3.0 at rear</td>
</tr>
<tr>
<td>VGA</td>
<td>(1) D-SUB VGA</td>
</tr>
<tr>
<td>Serial Port</td>
<td>(1) DB-9</td>
</tr>
</tbody>
</table>

### Power Supply

RPSU 1200W hot swap, 80-PLUS Platinum

### System Cooling

(10) 4cm fans

### System Management

AST2500 BMC chip  
24-bit high quality video compression  
10/100/1000 Mb/s MAC interface  
IPMI 2.0 compliant baseboard management controller (BMC),  
Supports storage over IP and remote platform-flash  
USB 2.0 virtual hub  
Temp (CPU, memory, system)  
Voltage (CPU, memory, chipset, PS)  
LED - Over Temp warning, Fan/PSU fail  
watchdog timer support

### Environmental Specifications

10° C ~ 35° C (50° F~ 95° F) operating temp.  
40° C ~ 70° C (-40° F ~ 158° F) non operating Temp.  
90%, non-condensing at 35° C in non operating humidity

### Gross Weight

40 kg (88.5 lbs)

### Dimensions

29.9” x 17.2” x 3.4” (760 x 438 x 87.6mm)

### Mounting

Tool-free Rail Kit

### OS Support:

- W2k12 2012 (x64 & x86)  
- Win 8 Enterprise (x64 & x86)  
- Win 8.1 Enterprise x64  
- Win 10 Enterprise x64  
- Win S2016 64 bit  
- RHEL 6.5 (x64 & x86) 7.1 to 7.3 x64  
- SLES 10 SP4 (x64 & x86), 11 SP2 (x64 & x86)