Features

- WHITEBOX OPEN™ Platform
- Dual Intel® Xeon® Scalable CPU
- 24x 3.5" Hot-Swap HDD Bays
- 4x 2.5" 7mm Hot-Swap HDD/SSD Bays
- 16 DIMMs (up to 2TB of memory)
- OCP 1/10/25/40/50/100 GbE ports
- Open BMC Compliant

Specifications

<table>
<thead>
<tr>
<th>Chassis</th>
<th>2U Rackmount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Motherboard</td>
<td>Tyan S7106GM2NR</td>
</tr>
<tr>
<td>Processor</td>
<td>Dual Intel® Xeon® Scalable (up to 165 Watts)</td>
</tr>
<tr>
<td>Chipset</td>
<td>Intel® C621 Chipset</td>
</tr>
<tr>
<td>Memory</td>
<td>16 DIMM slots across 12 memory channels (6 memory channels per CPU) Up to 2TB ECC RDIMM DDR4 2666</td>
</tr>
<tr>
<td>Front Panel</td>
<td>Power, RST, UID buttons, 1x USB3.0 port</td>
</tr>
<tr>
<td>LEDs</td>
<td>PWR, HDD, LAN, Warning, UID</td>
</tr>
<tr>
<td>Drivebays</td>
<td>24x 3.5&quot; HDD + 4x SSD 7mm (rear) hot swap + 4x 2.5&quot; internal 7mm or 2x 2.5&quot; internal 15mm</td>
</tr>
<tr>
<td>Backplane</td>
<td>SAS 12Gb/s, 12Gb passive + 12Gb passive</td>
</tr>
<tr>
<td>Expansion Slots</td>
<td>(2x PCIe x16 + 2x PCIe x8) or (6x PCIe x8 Slots FHHL)</td>
</tr>
<tr>
<td>Riser Card</td>
<td>LH RISER PCIe 3.0 x16/x0/x0/x0 or x8/x8/x8 (max) RH RISER PCIe 3.0 x16/x0/x0 or x8/x8/x8 (max)</td>
</tr>
<tr>
<td>OCP</td>
<td>2x OCP 2.0 x16 (LAN+Storage) Opt: 2x Oculink 8x connectors for 4x NVMe ports</td>
</tr>
</tbody>
</table>

System BIOS

- BIOS Type: AMI / 32MB
- 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

On-board Devices

- SATA: 2x Mini-SAS HD (8-ports) C621 chipset 6Gb/s RAID 0/1/10/5
- sSATA: 2x SATA-III, 1x Mini-SAS HD (4-ports) C621 chipset 6Gb/s RAID 0/1/10/5
- NVMe: 1x M.2 connectors up to 2.280 up to 4x 2.5" 7mm NVMe Internal
- IPMI: Onboard Aspeed AST2500 BMC Chipset 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
- Network Controllers: 2x 1GBe 1x 1GBe dedicated for IPMI
- Graphics: Aspeed AST2500 up to 1920x1200 D-sub 15-pin connector

Contact Information:

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866.641.1475

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Rear I/O

- **LAN**: 2x RJ-45 1GbE, 1x GbE dedicated for IPMI
- **USB**: 2x USB3.0 at rear
- **VGA**: 1x D-SUB VGA
- **Serial Port**: 1x DB-9

Power Supply

- **Redundant Power Supplies** - AC or DC - Hot-Swap

System Cooling

- **4x 60mm and 2x 40mm fans - Hot-Swap**

System Management

- **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)**

Gross Weight

- **45 kg (100 lbs)**

Dimensions

- **17.5” x 3.5” x 34.5”**
- **444mm x 89mm x 876mm**

Mounting

- **Tool-free Rail Kit**

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