



## Datasheet Vantageo 22L2F-ITNR

### Key Features

- Virtualization
- Cloud Computing
- Software Defined Storage
- 5G/Telco
- HPC
- High End Enterprise Server
- Application Tier Service Provider

1. Dual Socket P+ (LGA-4189) 3rd Gen Intel® Xeon® Scalable Processors
2. Intel® C621A Chipset
3. 32 DIMM Slots; Up to 8TB DRAM; Up to 8TB Intel® Optane™ Persistent Memory (up to 12TB with DRAM); 3200/2933/2666 ECC DDR4 LRDIMM; RDIMM; Intel® Optane™ Persistent Memory 200 series
4. Flexible networking options
5. 12x 3.5" hot-swap hybrid NVMe/SATA/SAS drive bays
6. 4 heavy duty fans with optimal fan speed control
7. 1200W redundant Titanium level power supplies

# SPECIFICATIONS

## Chassis

Form Factor 2U Rackmount

Model **22L2F-ITNR**

## Processor / Chipset

**CPU**

- Dual Socket P+ (LGA-4189)
- 3rd Gen Intel® Xeon® Scalable processors
- Support CPU TDP 270W

Note

- \*Certain CPUs with high TDP may be supported only under specific conditions. Please contact Vantageo Technical Support for additional information about specialized system optimization

**Cores**

- Up to 40C/80T; Up to 60MB Cache

## Dimensions

**Height**

- 3.5" (89mm)

Depth

- 29.05" (737.9mm)

**Width**

- 17.2" (437mm)

Weight

- Net Weight: 35.5 lbs (16.2 kg)
- Gross Weight: 57.5 lbs (26.2 kg)

**Package**

- 10.07" (H) x 23.81" (W) x 37.28" (D)

Available Color

- Black Front & Silver Body

## System Memory

**Memory**

- Memory Capacity: 32 DIMM slots
- Up to 8TB: 32x 256 GB DRAM
- Up to 12TB: 16x 512 GB PMem and 16x 256 GB DRAM
- Memory Type: 3200/2933/2666MHz ECC DDR4 RDIMM;LRDIMM
- Intel® Optane™ persistent memory 200 series

Error Detection

- ECC

Memory Voltage

- 1.2V

## Expansion Slots

**PCI-Express**

- Slot 1: PCI-E 4.0 x16 FH, 10.5"L
- Slot 2: PCI-E 4.0 x8 FH, 10.5"L
- Slot 3: PCI-E 4.0 x8 Internal LP
- Slot 4: PCI-E 4.0 x16 LP
- Slot 5: PCI-E 4.0 x8 FH, 10.5"L
- Slot 6: PCI-E 4.0 x8 FH, 10.5"L
- Slot 7: PCI-E 4.0 x8 FH, 10.5"L
- Slot 8: PCI-E 4.0 x8 FH, 10.5"L

Note

- Optional RSC-W2-66G4 enables PCI-E x16 in slots 5, 7. Slots 6,8 will be disabled.

## On-Board Devices

**SATA**

SATA3 (6Gbps) via Intel® PCH 621A; RAID 0/1/5/10 support

Chipset

Intel® C621A

**NVMe**

NVMe (16GT/s); RAID 0/1/5/10 support

Network Connectivity

- 2x 10GbE BaseT with Intel® X710-AT2 (optional) OR
- 2x 10GbE BaseT and 2x 10GbE SFP+ with Intel® X710-TM4 (optional)
- No NIC option supported

**Chipset**

- Support for Intelligent Platform Management Interface v.2.0
- IPMI 2.0 with virtual media over LAN and KVM-over-LAN support

## Drive Bay

**Hot-Swap**

- 12x 3.5" hot-swap NVMe/SATA/SAS drive bays (12x 2.5" NVMe hybrid) (SAS/NVMe support requires additional parts. Please see the Optional Parts list.)

## System Cooling

**Fans**

- 4x 8cm heavy duty fans with optimal fan speed control

Air Shroud

2 Air Shroud(s)

# SPECIFICATIONS

## Input / Output

USB 2 USB 3.0 port(s) (2 rear)

VGA 1 VGA port

DOM • 2 SuperDOM (Disk on Module) port

Serial Port

- 1 COM Port(s) (1 rear)

LAN

- 1 RJ45 Dedicated BMC LAN port

## System BIOS

BIOS Type

AMI 32MB SPI Flash EEPROM

## Front Panel

Buttons

- Power On/Off button
- System Reset button

LEDs

- Power LED
- Hard drive activity LED
- 2x Network activity LEDs
- System Overheat LED / Fan fail LED / UID LED

## Management

Software

- Redfish API IPMI 2.0
- Intel® Node Manager
- KVM with dedicated LAN SUM NMI Watch
- Dog SuperDoctor® 5

Power Configuration

- ACPI Power Management
- Power-on mode for AC power recovery

## Operating Environment

Environmental Spec.

- Operating Temperature: 10°C to 35°C (50°F to 95°F)
- Non-operating Temperature: -40°C to 60°C (-40°F to 140°F)
- Operating Relative Humidity: 8% to 90% (non-condensing)
- Non-operating Relative Humidity: 5% to 95% (non-condensing)

RoHS

- RoHS Compliant

## PC Health Monitoring

CPU

- 7 +1 Phase-switching voltage regulator
- Monitors for CPU Cores, Chipset Voltages, Memory

FAN

- Fans with tachometer monitoring
- Pulse Width Modulated (PWM) fan connectors
- Status monitor for speed control

Temperature

- Monitoring for CPU and chassis environment
- Thermal control for Fan connectors

# SPECIFICATIONS

## Power Supply

1200W Redundant Power Supplies with PMBus

Input	<ul style="list-style-type: none"> <li>800W: 100-127Vac / 50-60Hz</li> <li>1200W: 200-240Vac / 50-60Hz</li> <li>1200W: 200-240Vdc (For CCC Only)</li> </ul>	Dimension (WxHxL)	<ul style="list-style-type: none"> <li>73.5 x 40 x 203 mm</li> </ul>
12V sb	<ul style="list-style-type: none"> <li>Max: 2.1A / Min: 0A</li> </ul>	+12V	<ul style="list-style-type: none"> <li>Max: 66.7A / Min: 0A (100Vac127Vac)</li> <li>Max: 100A / Min: 0A (200Vac240Vac)</li> <li>Max: 100A / Min: 0A (200Vdc240Vdc) (For CCC Only)</li> </ul>
Output Type	<ul style="list-style-type: none"> <li>AC-Input</li> </ul>		

Certification



Titanium Level

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