



# Vantageo 2230-RX-FT

Affordable, easy-to-manage appliance to support your always-on applications

If you were asked to come up with a list of applications that absolutely had to be continuously available, odds are that you would not struggle to build the list. Most likely, your list has grown over the last few years—and it continues to grow. At Vantageo, we’ve seen the need for always-on applications become more pervasive across all markets, and all industries globally. But what’s driving this demand? The obvious reasons are financial losses and long-term damage to an organization’s reputation when businesses go down.

In today’s competitive climate, organizations must operate and deliver top-notch services 24/7/365, externally and internally. If your service goes down in manufacturing, your lines cannot function and productivity and revenue take a hit; in building security and automation environments, the premises and individuals that need to be protected are at risk from internal and external threats; in healthcare and public safety, lives are at risk. And there are other considerations driving the need for continuously available applications, including the constant struggle organizations face to comply with regulations, mitigate disaster and plan for business continuity. All these factors contribute to an increasing demand for reliable, continuous availability of your most critical applications, with no tolerance for intermittent service disruptions and associated lost revenue.

## What exactly is “availability”?

The term “availability” is a characterization of how reliably a computing system can function and perform the tasks it was designed to run. It is measured as a percentage of time within a given time span (for instance, a year) that your applications are operational and accessible to users. But not all availability is created equally. Different solutions provide different levels of availability:

- **Backups and restores:** Basic backup, data-replication, and failover solutions and procedures are in place to recover services in the event of a failure or disaster. These solutions

### Key benefits

- Proactive risk avoidance with constant replication to prevent downtime
- Protection against localized power failures, building wide problems or physical machines failures
- Satisfied business requirements and optimized resource utilization
- Continuous application availability without configuration complexity
- Low TCO through industry-standard infrastructure and flexible storage options
- Downtime eliminated with the added benefit of virtualization

do not prevent downtime but focus on recoverability which translates into 99% to 99.9% availability. Being down from 8 hours to 4 days can cost from \$2M to \$23M.

- **High availability:** Typically implemented through clustering, these solution applications are accessible a very high percentage of the time. Users perceive little or no perceived interruption if there is a failure and high availability translates into 99.95% to 99.99% availability. Being down from 1 to 4 hours can cost \$230K to \$1M.

- **Continuous availability:** Even if there were to be a failure, application operations are not interrupted. Downtime is eliminated and data is not lost in the event of a failure or localized disaster. These solutions focus on preventing downtime which translates into 99.999% availability. Being down 5 minutes or less, limits your risk to \$23K.

## Achieve continuous application availability with 2230-RX-FT

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## Optimize application environments to achieve maximum availability

With 2230-RX-FT, you are able to realize the value of continuously available applications without the configuration complexity that comes with traditional solutions. There is no need to design your applications to be HA aware, or to manage the connectivity between servers or configure shared storage where data resides.

2230-RX-FT enables you to consolidate physical servers and reduce your operating costs while protecting your applications from downtime. everRun supports a wide variety of commodity, Intel-based x86 server hardware.

## Optional Vantageo products and services

Vantageo offers a variety of options to both extend and enhance everRun's capabilities.

**2230-RX-FT SplitSite** – high availability or fault tolerance across a metro-wide area

**2230-RX-FT Extend** – DR across fault tolerant sites connected via WAN

In addition, Vantageo provides industry-leading Infrastructure, service, and support 24/7/365 worldwide. Our expert service professionals, backed by our advanced technology, monitor, diagnose, and troubleshoot problems from Vantageo Technical Assistance Centers (TACs) throughout the world. Should an issue arise, you'll be notified immediately via email, text or SNMP alert.

## Recommended configurations for everRun

- One pair of Vantageo Server x86\_64 servers with Intel VT enabled CPU chipsets
- 8 GB RAM or more
- Disk space of 50 GB or greater, plus 10 GB for VM and data storage`
- Two 10 GbE network ports, two 1 GbE network ports
- Supported guest operating systems
  - Microsoft® Windows Server®
  - Linux

### 2230-RX-FT specifications

<b>Servers</b>	A variety of Vantageo Server x86 systems are supported. Please see Supported Hardware page for more details.
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<b>RAM</b>	Up to 384 GB
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<b>Virtual machines</b>	Up to 28
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### Supported operating systems

<b>Microsoft®</b>	A variety of Microsoft Windows Server and Desktop guest operating systems are supported. See Supported Guest Operating Systems page for more details.
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<b>Linux®</b>	A variety of Red Hat, SUSE, Ubuntu, Oracle and CentOS Linux guest operating systems are supported. See Supported Guest Operating Systems page for more details.
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## Vantageo 2230-RX-FT (Single Appliance)

Features	Technical Specification	
Processor	Dual 3rd Generation Intel® Xeon® Scalable processors, up to 40 cores each	
Chip Set	Intel C621A	
Memory	16 DDR4 ECC DIMM slots, Supports RDIMM /RDIMM 3DS/LRDIMM/LRDMM 3DS, up to 3200MT/s, 4TB max	
Raid controller Options	Onboard Raid Support – Intel RSTe Supports Raid 0/1/10/5 PCIe Gen4/Gen3 Supported Cache – 2GB/4GB/8GB SAS 3.0 ( 12Gbs) Supported Cache – 2GB/4GB/8GB Above Raid with BBU Support	Supported Cache Protection Supported Raid Level – 0/1/5/6/10/50/60 Supported Media – SAS/SATA/NVMe
Drive bays	Front drive bays: Up to 24 x 2.5" SAS/SATA (HDD/SSD) up to 12/8 NVMe SSD Front drive bays: Up to 16 x 2.5" SAS/SATA (HDD/SSD) up to 12/8 NVMe SSD Front drive bays: Up to 12 x 3.5" SAS/SATA (HDD/SSD) Front drive bays: Up to 8 x 3.5" SAS/SATA (HDD/SSD) Rear 2 * 2.5" SAS/SATA( HDD/SSD)	
Storage NVMe	Connector(M.2) (2) 22110/2280 (by PCIe interface)	
Power supplies	Redundant CRPS 1+1, 800/1200/1600W(TITANIUM)	High Performance PWM Fan(s)
Embedded management	IPMI 2.0 compliant baseboard management controller (BMC)/10/100/1000 Mb/s MAC interface Hardware Monitor/Boot from USB device/PXE via LAN/Storage/Console Redirection/ User Configurable FAN PWM Duty Cycle/SMBIOS 3.0/PnP /Wake on LAN/ACPI 6.1/ACPI sleeping states S4,S5	
I/O & Ports	2x USB3.0 ports (rear) 1x D-Sub 15-pin VGA port (rear) 2x GbE ports + 1x GbE dedicated for IPMI (1) 2x12-pin SSI front panel header 3x Mini-SAS HD from PCH SATA-III	2x PCI-E Gen 4x8 / 3x PCI-E Gen4x16 NVMe-Connector (M.2) 2x 2210/2280 (by PCI-E interface)
Networking Card	Onboard 1Gbe for IPMI Management Intel 1Gbe ports x 3 10 Gbe x 2	
Guest operating systems	Microsoft Windows Server® Red Hat® Enterprise Linux SUSE® Linux Enterprise Server	For specifications and interoperability details, operability details, see <a href="http://Vantageo.com/OSsupport">Vantageo.com/OSsupport</a>
Dimensions	Form factor: Rack (2U)	Height: 90mm Width: 490mm Length: 660mm Weight: Max. 32 kg *Dimensions do not include bezel
operating Environment	Operating Temp. 10° C~35° C (50° F~95° F) Non Operating Temp. -40° C~ 70° C (-40° F ~ 158° F)	In/Non Operating Humidity 90%, non-condensation 35° C)
Recommended support	24x7 - 4 hours Response, Next Business Day Call to Resolution CTR 24x7 - 4 hours Response, 24 Hours Call to Resolution CTR 24x7 - 4 Hours Response, 6 Hours Call to Resolution CTR  Default support Next Business Day Consulting and deployment offerings are also available. Contact Vantageo representative for the more information.	

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