



## The Vortex RT2-5450 delivers a powerful workstation optimized for industrial deployment in a convenient 2U rack mount form factor

### Highly Flexible, Feature-Rich, and Perfectly Sized

The Vortex RT2-5450 2U Workstation delivers a powerful and reliable desktop engineered to fit perfectly in tight spaces. The short 18" depth is ideal for all industry standard racks, and it's anti-vibration drive cage and dust-proof front bezel keeps it secure during industrial operation. The RT2-5450 features Intel's® 7th/6th gen Core™ i7/i5/i3 or Xeon E3-1200 v6/v5 processors, up to 64GB DDR4 memory, dual Gigabit Ethernet LAN, and can accommodate a mix of drives, including: one external 5.25" drive, one external 3.5" drive, two internal 3.5" drives, and two internal 2.5" drives, giving you carte-blanc on the number of ways you can customize the RT2-5450 for any application or environment. The RT2-5450 also supports total display flexibility that includes HDMI, DisplayPort and DVI-D connectivity – great for multitasking, and even better for productivity.

### Latest Technology and Remote Monitoring

As the leader in providing our valued customers the best in-market, NCS is proud to offer the latest technology to support your latest software applications and deliver longer life cycle support. The RT2-5450 is also equipped with an enhanced KVM over LAN feature so you can manage the appliance remotely.

### Resource Optimized Just for You

The RT2-5450 Workstation boasts industry leading performance-per-Watt/per-Dollar on the market and helps your business to meet workload demands with superb stability, efficiency and long term business value.

# Vortex RT2-5450 2U Workstation

## Form Factor

- 2U short-depth rack mount

## Processor

- Supports Intel 1151 single socket processor:
  - Intel Xeon E3-1200 v6/v5 processors
  - Intel 7th/6th Gen Core i7/i5/i3 processors

## Chipset

- Intel C236

## System Memory

- 4x UDIMM DDR4 2400MHz ECC/non-ECC, un-buffered memory
  - Max. memory 64GB

## Integrated Video

- Integrated graphics processor
- Multi-VGA output support : HDMI/DVI-D/DisplayPort ports

## Integrated Audio

- Realtek® ALC888S 8-Channel High Definition Audio CODEC
  - Supports: jack-detection, multi-streaming, front panel MIC Jack-retasking

## Integrated I/O

- Front panel connectors:
  - 2x USB 2.0 ports, headphone & microphone-in
- Back panel connectors:
  - 2x RJ-45 ports, 1x HDMI port, 1x DVI-D port, 1x DisplayPort, 5x audio jacks (mic-in, line in, front speakers out, rear speakers out, center/subwoofer out), 2x USB 2.0 ports, 2x USB 3.1 ports, 2x USB 3.0 ports

## Integrated Gigabit

- Dual Gigabit Ethernet (10/100/1000 Mbit) controllers
  - 1x Intel I210-AT LAN Ethernet controller
  - 1x Intel PHY I219LM LAN Ethernet controller
  - RJ-45 Shared IPMI LAN port

## Expansion Slots

- 2x PCI-E 3.0 x16 slots
- 3x PCI-E 3.0 x1 slots
- 2x 5V PCI 32-bit slots

## Integrated SATA/RAID

- 8x SATA3 6Gb/s ports, supports Raid 0, 1, 5, 10
- 1x PCIe M.2 Socket (type PCIe x4, 2242/2260/2280)
  - No raid support

## Security

- Optional TPM 1.2 or 2.0 module

## Drive Bays

- 1x external 5.25" drive
- 1x external 3.5" drive
- 2x internal 3.5" drives
- 2x internal 2.5" drives

## Dimensions (H x W x D)

- 3.5" x 16.9" x 18"
- 88.1mm x 430mm x 457.2mm

## Power Supply

- Input voltage: 100-240 VAC
- Input frequency: 50/60 Hz
- Min. output: 300W ATX 80 PLUS
- Form factor: ATX
- Power factor correction: Active PFC
- Efficiency: >90% at normal input voltage

## Fans

- Front: 1x 80mm internal fan
- Rear: 1x 80mm internal fan



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