



Designed especially for the U.S. Navy, the Vortex RMS-1018 delivers the full functionality of a powerful workstation in a convenient 1U rack mount form factor and is deployable both shipboard and ashore.

**Performance and Dependability**

The Vortex RMS-1018 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. The Vortex RMS' 1U chassis has been tuned to maintain its mission-critical operational state at all times. It features Intel's® 9th-generation Core™ i7/i5/i3 or Xeon™ E-2100/2200 processors, up to 128GB DDR4 memory, and dual Gigabit Ethernet LAN. With the RMS-1018, you'll gain the power to deploy new business-class applications and excellent support for diverse operating systems.

**Engineered to Excel**

Although the Vortex RMS-1018 is a rugged rack mount version of the legacy Small Form Factor Workstation, each component has been scrutinized for its extended shelf life ensuring the first system rolling off the manufacturing line is identical to the last. Vortex RMS-1018 has been designed to meet the requirements of Shock (MIL-STD 901D Grade A), Harmonic Vibration (MIL-STD 167-1), and Temperature (MIL-STD 810-G).

**Drives Three Independent Displays Simultaneously**

The Vortex RMS-1018 Workstation features integrated Intel HD Graphics delivering superb visual performance for sharper images, richer color, and lifelike video, as well as total display flexibility that includes Dual Display-Port and DVI-D connectivity – great for multitasking, and even better for productivity.

# Vortex RMS-1018

## Form Factor

- 1U rack mount

## Processor

- Intel-1151 single socket Processor: Support for 9th Generation Core i7/i5/i3 Processors and Intel Pentium® and Celeron® Processors
- Supports Intel Xeon E-2100/2200 processors

## Chipset

- Intel C246

## System Memory

- 4x DIMM DDR4 2666 MHz ECC/non-ECC un-buffered memory, max. 128GB

## Integrated Video

- Integrated graphics processor
- Multi-Display output support: HDMI/2xDisplayPort ports
- Support for three independent displays
  - Supports DVI-D with max. res. 1920x1200 @60Hz
  - Supports DisplayPort with max. res. 4096x2304 @60Hz
  - Supports Intel HD Graphics, InTru™ 3D, Quick Sync Video, Clear Video HD Technology
- Rear panel VGA port non-integrated graphics

## Integrated Audio

- Realtek® ALC888S HD audio codec

## Integrated I/O

- Front panel connectors: 2x USB 2.0 ports
- Back panel connectors: 2x RJ-45 ports (data), 1x RJ-45 port (management), 1x DVI-D port, 2x DisplayPort, 1xVGA Port, 2x audio jacks (mic-in, line out), 3x USB 3.1 ports Type A, and 1x USB 3.1 ports Type C

## Security

- Integrated TPM 2.0 module

## Integrated Gigabit

- Dual Gigabit Ethernet (10/100/1000 Mbit) controllers, Intel i210-AT and I219LM

## Integrated SATA/RAID

- 5x SATA 6Gbps ports
- Supports chipset Raid 0, 1, 5, 10
- Supports Intel Rapid Storage Technology

## Drive Bays

- External: 2x 2.5" cold-swap drive bays, 1x slim ODD

## Dimensions (H x W x D)

- 1.75" x 17.75" x 18"

## Power Supply

- Input voltage: 100-240 VAC
- Input frequency: 50/60 Hz
- Min. output: 300W Flex ATX PSU
- Form factor: Flex ATX
- Power factor correction: Active PFC
- Efficiency: 80 Plus Bronze

## Regulatory & Certifications

- EMI/RFI: FCC Declaration of Conformity (DoC)
- Other: NIST 800-147 Compliant BIOS

## Cooling

- 4x 40x28mm internal fans



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