

REDDWARE

Specializing in application-optimized server storage and workstation design-builds tailored to exceed your security requirements. Our security industry experience allows us to deliver higher performance machines tested and custom-built specifically to your Access Control, AI and VMS requirements.



Custom design builds with Unlimited Petascale storage capabilities are available upon request.

Powerful Performance, Trusted and Verified

ReddWare brings over a decade of listening, observing, testing and customization experience from Fortune 500 customers who require more than commercial off-the-shelf security machines for leading Access Control, AI and VMS security platforms. Our high performance workstations and servers were developed and proven by over 100,000 hours of real world testing in demanding environments.

Customized Approach

The R16 provides centralized management for access control software, AI and multi-recorder surveillance environments. Centralizing management on a dedicated server allows for the management of access control, AI and VMS, by authorized personnel, while allowing access to recorders and workstations by security personnel, technicians, and other authorized staff.

Versatile

The R16 is a 1U form factor server providing high availability and reliability through hardware RAID and redundant power supplies. This robust setup allows the unit to continue operating, even with power supply and or hard disk failure.

Access | Video Management Server

- ▶▶ Built on The Award Winning SUPERMICRO Platform
- ▶▶ US-Based Engineering and Manufacturing
- ▶▶ Certified to ISO 9001:2015, ISO 13485:2016 ISO and 14001:2015 Standards
- ▶▶ Hardware based RAID
- ▶▶ Dual 1GB NIC | IPMI Management Interface
- ▶▶ Redundant Power Supplies
- ▶▶ 3-5 year advanced replacement warranty
- ▶▶ Advanced Hardware Health Monitoring

Feature	Technical Specification
Form Factor	1U Rackmount
Dimensions and Weight	HxWxD – 1.7"x17.2"x19.8" (43mmx437mmx503mm) Gross Weight – 31lbs (14.1kg)
Processor	LGA 1366, 1155, 1156 or 775 Socket Supports Quad/Dual-Core Intel® Processor
Memory	4/2x DIMM sockets Supports up to 3GB or 32GB RAM
On-Board Devices	Intel® 3420/945GC chipset RAID 0, 1, 5, 10 support for Windows 2x Gigabit Ethernet Ports VGA port Super I/O – Winbond 83827HF chip
Health monitoring	Monitors for CPU Cores, +1.8V, +3.3V, +5V, ±12V, +3.3V Standby, +5V Standby, HT, Memory, Chipset Voltages 3-Phase-switching voltage regulator Temperature monitoring for CPU and chassis environment Thermal Control for 5x fan connectors PECI Chassis intrusion detection Status monitor for fan speed, on/off control Low noise fan speed control
System Cooling	3 or 4x 40mm 12,500 RPM PWM fans
Input/Output	4x SAS or SATA ports 2x RJ45 LAN ports 2x USB rear ports, 2x USB front ports (4 ports) 1x VGA port PS/2 keyboard and mouse ports 1x Fast UART 16550 serial port 1x internal header
Power Supply	400W (1+1) Redundant high-efficiency power supply w/ PFC AC Input – 100-240V, 50-60Hz, 6-3A DC Output – 3A @ +5V standby, 33A @ +12V +5V – 25A, -12V – 0.6A, +3.3V – 25A
Expansion Slots	1x full-height, half-length PCI expansion slot with a Riser Card
Operating Environment / Compliance	RoHS Compliant Operating Temperature: 10° to 35°C (50° to 95°F) Operating Relative Humidity: 8% to 90% (non-condensing)