

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 R47 series is built on a specialized 4U chassis system, accommodating 36 drive bays, with built in scalability to 124 drive bays. Providing a robust highly flexible and scalable platform that allows for modular expansion as needs change. Equipped with Enterprise class hardware, RAID and redundant power supplies, the R47 series includes high availability features in every design. Every R47 employs a design unique to the specific VMS solution. This ensures optimal performance under demanding loads.

Versatile

The R47 series is the workhorse of ReddWare surveillance solutions. Trusted by Fortune 500 companies around the world, it provides a robust and highly scalable foundation to meet the demands of casinos, amusement parks, municipalities, and other environments with high camera density and large storage requirements.

Video Recorder Server

- ▶▶ Built on The Award Winning SUPERMICRO Platform
- ▶▶ US-Based Engineering and Manufacturing
- ▶▶ Certified to ISO 9001:2015, ISO 13485:2016 and ISO 14001:2015 Standards
- ▶▶ Hardware Based RAID
- ▶▶ Up to 1.5 Petabytes Storage
- ▶▶ Dual 1GB NIC | IPMI Management Interface
- ▶▶ Dual 10GB NIC
- ▶▶ Redundant Power Supplies
- ▶▶ 3-5 Year Advanced Replacement Warranty
- ▶▶ Advanced Hardware Health Monitoring

Feature	Technical Specification	
Form Factor	4U Rackmount	
Dimension and Weight	HxWxD – 7”x17.2”x26” (178mmx437mmx660mm) Gross Weight – 80lbs (34.0kg)	
Processor	Dual Xeon CPU Sockets Supports Six-Core/Quad-Core Intel® Xeon® Processors	
Memory	6x 240-pin DIMM sockets Supports up to 48GB 1333/ 1066/ 800MHz DDR3 ECC Registered memory, or up to 24GB 1333/ 1066/ 800MHz DDR3 ECC Un-Buffered SDRAM Three Channel Memory Bus Error Detection – Corrects single bit errors, Detects double bit errors (using ECC memory) and Supports Intel® SDCC	
On-Board Devices	Intel® 5500 Tylersburg chipset Intel ICH10R SATA 3.0Gbps Controller - RAID 0, 1, 5, 10 support for Windows, RAID 0, 1, 10 support for Linux 2x Intel® 82574L Gigabit Ethernet Controllers; supports 10BASE-T, 100BASE-TX, and 1000BASE-T, RJ45 output Matrox G200eW Graphics 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 4-Phase-switching voltage regulator Temperature monitoring for CPU and chassis environment Thermal Control for 6x fan connectors Chassis intrusion detection Total six fan headers supporting up to six fans with tachometer monitoring Low noise fan speed control	
System Cooling	7x 8cm Hot-swappable Cooling Fans Redundant Fans	
Input/Output	Optional 8 SAS/SATA ports Six Serial ATA ports supports six SATA hard drives supported 1 Floppy controller; 1.44MB 2x RJ45 LAN ports 2x USB rear ports, 1x USB on-board,	2x USB internal headers Total 5 USB 2.0 compliant 1x VGA port PS/2 keyboard and mouse ports 1 Fast UART 16550 serial port 1 Fast UART 16550 serial header (option)
Power Supply	1100W (1+1) Redundant high-efficiency power supply w/ PFC with 100 – 140V AC input 1400W (1+1) Redundant high-efficiency power supply w/ PFC with 180 – 240V AC input	DC Output – 1100W: +12V/92A, +5Vsb/4A; 1400W: +12V/116A, +5Vsb/4A
Expansion Slots	PCI-Express – 2 (x8) PCI-E 2.0 (1 in x16 slot) 1 (x4) PCI-E 2.0 (in x8 slot)	1 (x4) PCI-E (in x8 slot) PCI – 2x 33MHz PCI slots
Operating Environment/ Compliance	RoHS Compliant Operating Temperature: 10° to 35°C (50° to 95°F) Operating Relative Humidity: 8% to 90% (non-condensing)	