

Purpose-Built Appliances for Healthcare IT Applications



The Healthcare industry has undergone significant change in the way that patient information is gathered, stored and retrieved. Healthcare IT solutions have enabled the industry to leverage technology to better manage this data resulting in time and cost savings while increasing the overall quality of care provided. The challenge is staying competitive by delivering reliable, predictable, secure solutions that are simple to manage and maintain. UNICOM Engineering is a trusted deployment partner focused on getting your application into the hands of your customers while freeing up your resources to focus on sales and the next feature set.

Our comprehensive set of services combined with a broad portfolio of long-life appliance platforms is designed to shorten time-to-market, while improving application performance, lowering support costs and increasing revenue. A team of experienced hardware engineers creates secure, tailored solutions that optimize application performance while managing costs.

Comprehensive support and maintenance programs are available to maximize uptime and reduce your overall risk. And, configuration control for each BOM and like-for-like replacement parts, ensure your solution maintains performance and regulatory standards even after repairs are completed. With global manufacturing facilities, trade compliance experts and an expansive network of support depots worldwide; we can support your business wherever it takes you.



Why Choose UNICOM Engineering?

- Purpose-Built Turnkey Hardware Appliance
- Lifecycle Management
- Custom Branding
- Regulatory Certifications
- Appliance / System Integration
- System Imaging
- Domestic & International Shipping
- Advance Server & Part Replacement
- On-Site, Anytime, Advanced Trouble Shooting
- Forward & Centralized Stocking Locations

UNICOM Engineering Purpose-Built Appliances are ideal for the following types of Healthcare IT applications:





- Medical Imaging
- Medical Record Management
- Portable Equipment
- Medical Practice Management
- Remote Monitoring
- Diagnostics, Patient Monitoring and Therapy
- Picture Archiving and Communication Systems

Technology Partner Relationship



The following are a few UNICOM Engineering purpose-build appliances well suited for healthcare IT applications.

Appliance Specifications

PLATFORM	S-750	S-1300	S-1500	S-1600 R5
				
Dimensions (H x W x D)	1.7" x 10.5" x 10.87"	1.70" x 17.2" x 11.3"	1.7" x 17.2" x 19.85"	1.7" x 17.2" x 25.6 (4x 3.5"); 1.7" x 17.2" x 23.5 (10x 2.5")
Form Factor	1U Desktop / Rackmount	1U Rackmount	1U Rackmount	1U Rackmount
Number of Processor(s)	One	One	One	One
Intel Microarchitecture	Goldmont	Goldmont	Goldmont	Skylake
Processor	Denverton-NS SoC C3000 series, up to 16 cores	Denverton-NS SoC C3000 series, up to 16 cores	Denverton-NS SoC C3000 series, up to 16 cores	Xeon SoC D-2100 series, up to 12 cores
Memory	4x DIMMs (128 GB), DDR-2400 MT/s	4x DIMMs (128 GB), DDR-2400 MT/s	4x DIMMs (128 GB), DDR-2400 MT/s	4 DIMMs (256 GB), DDR-2400 MT/s
Drive Types	SATA3/NMVe	SATA3/NMVe	SATA3/NMVe	SAA3/SATA3/NMVe
Drive Bays	2x 2.5" fixed SATA3, 2x M.2 (B Key, M Key), 1x SATADOM	1x 3.5" fixed or 4x 2.5" fixed SATA3, 2x M.2 (B Key, M Key), 1x SATADOM	4x 3.5" hot swap SAS3/SATA3, 2x M.2 (B Key, M Key), 1x SATADOM	4x 3.5" hot swap SAS3/SATA3 or 8x 2.5" hot swap SAS3/SATA3 + 2x 2.5" hot swap SAS3/SATA3/NMVe;
RAID Controller	None	Optional RAID Controller Addin Card	Optional RAID Controller Addin Card	4x SATA 6 Gb/s Intel Embedded RAID support with RAID levels 0/1/5/10 via SoC
PCIe Slots	1x PCIe 3.0 x8	1x PCIe 3.0 x8	1x PCIe 3.0 x8	3x PCIe 3.0 x8
Onboard Ethernet Interfaces	4x 10 GbE ports with bypass; 1x GbE LAN port	4x10 GbE ports with bypass; 1x GbE LAN port	4x 10GbE ports with bypass; 1x GbE LAN port	4x RJ45 GbE, 2x RJ45 10 GbE Base-T, 2x 10GbE SFP+
Management	Integrated IPMI 2.0 with KVM and shared LAN	Integrated IPMI 2.0 with KVM and shared LAN	Integrated IPMI 2.0 with KVM and shared LAN	Integrated IPMI 2.0 with KVM and dedicated LAN
OS Compatibility	Windows Server, Linux	Windows Server, Linux	Windows Server, Linux	Windows Server, Linux
Regulatory	NRTL, CE, CB, FCC Part 15, Class A, VCCI, RCM; other marks are available for a fee	NRTL, CE, CB, FCC Part 15, Class A, VCCI, RCM; other marks are available for a fee	NRTL, CE, CB, FCC Part 15, Class A, VCCI, RCM; other marks are available for a fee	NRTL, CE, CB, FCC Part 15, Class A, VCCI, RCM; other marks are available for a fee
Cooling	1X cooling fan	2x 8500 RPM cooling fan	4x 4cm 12,500 PWM blower fans	4x 40x56mm counter-rotation pulse width modulation (PWM) cooling fans
Power	1x 12V power adapter	1x 200W AC	2x 400W AC redundant	500W (4x 3.5") / 700-750W (10x 2.5") redundant AC power

NOTE: These specifications should be viewed as preliminary and final specifications may vary.

Learn More: Contact UNICOM Engineering at 800-977-1010 or visit www.unicomengineering.com.

Our team is ready to help you deliver your solutions faster, better and far more cost effectively.

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