

A Trusted Partner for Delivering Telecommunications Solutions



Our devices have become an extension of our daily lives as we are obsessed with sharing and consuming every moment as it happens. Data streaming has exploded with massive amounts of information being shared at the touch of a finger. Communications today is defined in texts, videos, posts, tweets, blogs, calls, etc and the lines between our home and work lives have blurred as our activities converge on our devices. This continuous and compounding demand for more has created huge opportunity and complexity for both the carrier and enterprise markets. They've redefined their relationships with their customers by finding new delivery mechanisms and understanding non-traditional methods to capture their attention, drive usage, secure their data and capture revenue.

UNICOM Engineering has played a key role deploying applications for decades in carrier and enterprise environments. From our early days in computertelephony and ATCA to frames of rackmount servers. With every change we gained knowledge and experience—knowing what it takes to get your products to market. This may mean navigating the strict demands of tier one carriers deploying to telcordia standards, understanding the need for NEBS and DC powered systems to fit traditional telco infrastructure, designing and integrating frame solutions, leveraging specialized cards for DSP and packet processing, obtaining certification to industry and regulatory standards, or supporting mission critical solutions on a global scale. Ultimately, our goal is to design solutions that maximize performance while managing cost in any of these environments with secure, reliable solutions that deliver the ultimate end user experience. Extensive partnerships with leaders like Intel, Dell, Kontron and HP give us access to building blocks and roadmaps while offering you greater flexibility and unmatched deployment options. That's the UNICOM Engineering difference.

Technology Partner Relationships



OEM Premier Partner



Why Choose UNICOM Engineering?





- Platform Design and Engineering
- Frame Level Design and Integration
- Global Quality Manufacturing Facilities that Maintain ISO and TL 9000 Certifications
- Regulatory and Compliance Expertise
- Complete Integration Services with Built in Controls
- Full Lifecycle Management Control and Reporting
- Custom Branding Expertise
- Global Logistics Capabilities
- Advanced Server and Parts Replacement Coverage
- On-site and Advanced Troubleshooting Services
- Forward and Centralized Stocking Locations Worldwide

UNICOM Engineering Purposed-Built Platforms are ideal for the following types of communications applications:

- Voice & Data Communications
- Mobile & Wireless Communications
- Multi-Media Messaging
- Conferencing & Collaboration
- Load Balancer
- Session Border Controller
- Voice over LTE
- IP Multimedia
- Enterprise Monitoring & Analytics
- Network Monitoring & Management
- Data Collection & Warehousing
- Premium Content & Applications
- Enterprise IP PBX

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

Appliance Specifications

| PLATFORM | N-2500 R5 | Dell R720T | HP Proliant DL380 G9 | E-2900 R4 |
|------------------------------|--|--|--|--|
| |  |  |  |  |
| Technology Partner | Kontron | Dell | HP | Intel |
| Dimensions (H x W x D) | 3.45" x 17.14" x 20" | 3.44" x 17.49" x 26.92" | 3.44" x 17.54" x 28.75" | 3.5" x 17.25" x 31.25" |
| Form Factor | 2U - Rackmount | 2U - Rackmount | 2U - Rackmount | 2U - Rackmount |
| # of Processor(s) | Two | Two | Two | Two |
| Intel Microarchitecture | Sandy Bridge | Haswell | Haswell | Haswell |
| Processor Family | Xeon E5-2600 v2, up to 8 Cores | Xeon E5-2600 v3, up to 18 Cores | Xeon E5-2600 v3, up to 18 Cores | Xeon E5-2600 V3, up to 18 Cores per CPU |
| Chipset | Intel C600 series chipset | Intel C610 series chipset | Intel C610 series | Intel C612 |
| Memory Slots (Max. Capacity) | 16 (256 GB) | 24 (768 GB) | 16 (512 GB) | 24 (768 GB) |
| Hard Drive Types | SAS | SAS or SATA | SAS or SATA | SAS or SATA |
| Hard Drive Bays | 6 hot swap 3.5" | 8 hot swap 3.5" or 16 hot-swap 2.5" | 12-15 hot-swap 3.5" or 24-26 hot-swap 2.5" | 8-12 hot swap 3.5" or 24 hot swap 2.5" |
| RAID Controller | Intel C600-A Chipset with embedded SW SATA RAID levels 0,1,10; Optional upgrade keys to support 4 or 8 ports, SAS / SATA, RAID 5 | PowerEdge RAID Controller S/W RAID | HP Smart Array Controller | Intel C612 Chipset with embedded SW SATA RAID levels 0,1,5,10; Optional upgrade keys to support 8 ports SATA, RAID 5 |
| PCIe Slots | Six | Seven | Six | Eight |
| Onboard Ethernet Interfaces | 4 GbE ports | 4 x 1 GbE or 2 x 1 Gb 2 x 10 Gb | 4 GbE ports | 2 GbE ports standard |
| Management | Integrated BMC, IPMI 2.0 Compliant | IPMI 2.0 compliant, iDRAC8 with Lifecycle Controller | HP OneView and HP integrated Lights Out (iLO) | Integrated Baseboard Mgmt. Controller, IPMI 2.0 compliant, Optional Remote Mgmt. Module 4 (RMM4) with dedicated LAN |
| Media Drive(s) | 2 SD media flash modules | Front Accessible PCIe Flash SSD | Optional DVD ROM, DVD RW | Optional Slim SATA DVD ROM |
| Power | Redundant 650W AC or DC | Redundant 1100W AC or DC | Redundant 500W or 800W AC Platinum or 1400W AC | Redundant 750W AC Platinum or 750W DC Gold |
| Cooling | Multiple redundant hot-swap cooling fans | Hot-plug redundant cooling | Hot-swap fans with full N + 1 redundancy, optional high performance fans | Six 40mm dual rotor system fans, one fan per installed power supply module |
| OS Compatibility | Windows Server, Linux | Windows Server, Linux | Windows Server, Linux | Windows Server, Linux |
| Regulatory | Standard: cULus, FCC Part 15, Class A, VCCI, CE ... Other marks are available for a fee | Standard: NRTL, FCC Part 15, Class A, VCCI, CE ... Other marks are available for a fee | Standard: NRTL, FCC Part 15, Class A ... Other marks are available for a fee | Standard: NRTL, FCC Part 15, Class A, VCCI, CE ... Other marks are available for a fee |

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



A Division of UNICOM Global

25 Dan Road, Canton, MA 02021-2817
tel: 781 332 1000 ■ fax: 781 770 2000

www.unicomengineering.com

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.

Copyright ©2015 UNICOM Engineering, Inc. All rights reserved. UNICOM Engineering and the UNICOM Engineering logo are trademarks of UNICOM® Global. All other brands, product names, trade names, trademarks and service marks used herein are the property of their respective owners.

P/N: 595-1238-00_103015