

A Mobile Solution for Army Communications

Designed to support U.S. Army modernization strategies, REDCOM and Mercury Systems deliver an integrated solution for mobile Army communications applications that range from **tactical command posts** to **national and strategic-level communications**.

Army expertise
and deployment:

REDCOM is in:

400+ systems that support
tactical networks

Mercury's servers have been on:

13+ major Army programs
in the last three years



The REDCOM Sigma® Solution

Actively evaluated by leading DoD integrators and the U.S. Army, Sigma is an intuitive, software-based, Unified Communications platform that is listed in DISA's Approved Products List (APL).

REDCOM Sigma's encryption features a **FIPS 140-2** validated engine and is continuously updated for NSA security guideline compliance (NIAP & CSFC).

Interoperability and SWaP

Mercury's servers and Sigma feature Commercial-Off-The-Shelf (COTS) technologies that simplify upgrades and promote interoperability in a **small footprint**.

A tactical cloud that hosts sensitive missions in theater and operates on almost any power source, Mercury's RESmini XR6 features one Intel® Xeon® scalable CPU and up to 240TB of storage in a **15lb form-factor**.



REDCOM Sigma®

Sigma is a software-based call and session controller with features and capabilities particularly advantageous for government and military users including VoIP, Video (P2P), Chat/XMPP with Presence, Voice Conferencing, Unified Messaging, and full MLPP support.

REDCOM Sigma runs on standard Intel-based computing and virtualization platforms, and is based on open standards with a focus on security, reliability, and interoperability. Features include:

- Voice, Video, Chat & Presence
- Intuitive easy-to-learn interface
- DISA APL Listed
- AS-SIP and MLPP support
- Tactical, Garrison, & Strategic
- Low SWaP: runs on as little as 2GB RAM and 1 CPU core
- Rapid boot time
- Resilient to hard power-off
- Hypervisor Agnostic
- Integrated media services
- Large codec library

Mercury's *EnterpriseSeries*™ Tactical Edge Servers

A leading provider of rugged rackmount servers, Mercury's EnterpriseSeries servers are built from the ground up for mission critical applications where performance, reliability and availability are crucial. Server platforms are compatible with popular hypervisors and software including REDCOM Sigma.

RESmini XR6

Datacenter
in a briefcase



- One Intel Xeon Scalable CPU with up to 28 cores
- Up to 384 GB DDR4 memory
- Up to 240TB storage in 8 hot swappable drives
- 10GbE ports and up to 2 PCIe 3.0 slots
- MIL-STD: 810G, 901D, 167-1
- FAA compliant UPS power case option
- 100min autonomous AC/DC power

HDslim

High compute,
modular server



- Fits in commercial airline bins
- Reduces total cost of ownership with 4 modules
- Up to four Intel Xeon Scalable CPUs
- Up to 480TB of storage with 24 drives
- 100GbE switch option
- Multiple power supply options
- MIL-STD 810G