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PacStar®
Imagined. Engineered. Delivered.

PacStar 1210 Tactical Accelerator Appliance with Riverbed



The PacStar 1210 provides Wide Area Network (WAN) communications acceleration and bandwidth optimization in a small, tactical form factor. Designed for in-theater communications, executive communications, vehicle-mount, early-entry, or forward operating base deployments for military, Homeland Security, first responders and commercial/enterprise users. The PacStar 1210 meets size, weight and power requirements unmatched by other COTS appliances

The PacStar 1210 provides industry-leading WAN optimization based on Riverbed® Steelhead® technology, deployed and proven throughout the US Department of Defense and Enterprise customers. As implemented in the PacStar 1210, Riverbed Virtual Steelhead provides acceleration to complement tactical solutions such as the PacStar 4000-series and PacStar 6300-series tactical systems or other existing tactical solutions.

Features
- Riverbed Virtual Steelhead appliance technology running on VMWare® ESXi
- Low profile, easy to slip into a backpack or small suitcase
- Lightweight - 1.9 lbs
- Quick release, removable solid state hard drive
- MIL-STD 810G environmental test pending
- Wide range DC input, compatible with most in-field power systems

Riverbed Virtual Steelhead
- Proven in tactical communications solutions
- Improves reachback performance, optimizes use of expensive, high-latency, SATCOM/BGAN links and small bandwidth reachback technologies (cellular, etc)
- Extensive TCP/IP protocol acceleration options
- Industry leading caching/byte deduplication
- Application protocol acceleration
- Proven interoperability and security
- Data cache, shared across multiple users of a system
- Appliance model eliminates the need to install client caching software on each attached laptop
- Available in (8) models, including 250, 550 and 1050 models, with performance ranging from 250L-class (1 Mbps WAN with 30 TCP connections) to 1050H-class (20 Mbps WAN with 2300 TCP connections)

VMWare ESXi 4.1
- Industry standard virtualization platform hosting Riverbed Virtual Steelhead
- Proven, secure, high-performance bare-metal hypervisor
- Ultra-thin footprint

PacStar 1200 Tactical Computing Platform
- Designed for deployed communications applications

Processor
- Intel Core 2 Duo series, power-optimized processor
- 2.4 Ghz processor clock

Other System Specifications
- (4) GB DDR3 RAM, 1066 Mhz front-side bus
- Serial ATA II SDD support with up to 300 MB/s transfer rate
- Up to 256 GB SSD with activity LED – providing a 100% solid state solution

Connectors
- (2) RJ-45 GB Ethernet ports for network acceleration
- RS-232 9-pin console port
- VGA output (Diagnostics)
- (2) USB 2.0 Ports
- Ruggedized and locking DC input connector

Environmental Specifications
- Dimensions 6.75" x 5.25" x 1.50" – 3 times smaller than Riverbed 250 and 14 times smaller than Riverbed 1050 appliances
- Weight 1.9 lbs (2.7 times lighter than Riverbed 250 and 16 times lighter than Riverbed 1050 appliances)
- MIL-STD 810G test to 50C (pending)
- Motherboard FCC certified per Part 15 and CE EN 55022:2006 Class B

Power Specifications
- Microcontroller-based system state controller with ESD protection
- Power requirements: less than 35 watts 12 V DC
- Power input: 10-36 V DC with indicator LED

*Draft specifications subject to change

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