

## RedShift Eagle UCTM-IOK



RedShift WEB GUI  
for complete control

## RedShift Eagle UCTM-10K Appliance

### Unified Communications Threat Management (UCTM)

RedShift Networks offers a high performance application aware Proactive Synchronous security platform that protects all aspects of your UC&C Networks: IP PBX, IP Conferencing, Collaboration, Presence, Contact Center, Call Center & Unified Messaging.

The RedShift security solution sees, reacts, protects and reports concerning threats from your local and extended network and the cloud beyond.

The RedShift security solution provides the necessary protection, visibility and control so you can "Communicate-with-Confidence"<sup>SM</sup> knowing your real-time IP voice, video, and collaborative communications are secure and reliable for your mission critical enterprise use.

### RedShift UCTM Advantages

Synchronous Flow Security Technology™

Correlated multi-layer protection between OSI Layers (layer 4 to layer 7) to your UC&C Applications.

Patent Pending Technology

- ◆ Dynamic real-stream inspection technology
- ◆ Proactive proprietary threat assessment architecture
- ◆ Advanced application and user behavioral learning analytics
- ◆ Low latency for signaling and smart fast-path for valid media flows
- ◆ Behavioral Learning engine means very low rate of false positives

### RedShift Features and Benefits

Simple to install appliance provides out-of-box protection and visibility for common vulnerabilities and threats to today's unified communications applications, equipment and infrastructure in your network and in the cloud.

Protects and monitors for user behavior, Unified Communications and Collaboration (UC&C) application state, protocol compliance, access control, enterprise specific policy, media flows and UC&C specific anomalies at all layers and intrusions at layer 4 to layer 7

Behavioral Learning Engine and Session Aware Protocol analysis protects against Zero-day vulnerabilities

Continuous upgradable signature support for combating future threats

Extensive reporting and logging features provide valuable information on normal and anomalous UC&C user, networks and application behavior and status.

SIP, SCCP and H.323 support for all UC&C Applications and Systems

Encryption and decryption services with secure key exchange for securing UC&C network applications

Multi-level secure authenticated access via ssh and https for provisioning and management of the UCTM

Fully synchronized 1 + 1 redundant systems available high-availability applications

## Unified Communications Threat Management RedShift Eagle UCTM-IOK

### RedShift Eagle UCTM-IOK Additional Features

**The RedShift Unified Threat Assessment Framework (UTA) for your UC&C network includes these features for your applications, servers and endpoints**

- ◆ Protects against layer 4 to layer 7 UC&C Application Threats
- ◆ Protects Deep Packet Inspection (DPI) against SIP Trunking Attacks
- ◆ Prevents illegitimate Signal Interception, Tampering or Eavesdropping (MITM)
- ◆ Protects IP-PBX and other UC&C servers against a plethora of attacks
- ◆ Provides complete Visibility and Control to all SIP and SCCP traffic
- ◆ Protects against Data Threats and SW Vulnerabilities
- ◆ Protects against Toll Fraud
- ◆ Protects against Voice Denial of Service (VDOS/VDDOS) Attacks
- ◆ Protects against VOIP/UC&C Network Scanning and Endpoint discovery
- ◆ Protects against RTP Flooding and Spoofing
- ◆ Enforces encryption (SIP/TLS)
- ◆ Enforces proper Authentication and Authorization policies
- ◆ Ensures safe and RFC compliant SIP Protocol Implementation
- ◆ Tracks and detect misbehaved endpoints
- ◆ Hides Internal VOIP/UC&C Network and Topology
- ◆ Protects against Voice SPAM
- ◆ Protects against War-dialing attacks
- ◆ Protects against Fuzzing and Anomaly based Attacks

**Ordering Information for RSN Eagle-IOK appliances with RSNOS advanced application-aware UC&C behavioral learning security software (typical, other models are available)**

Product	Part Number	Users	Active Sessions
RRSN-Eagle	UCTM-10K-10000	10,000	2,000
RSN-Eagle	UCTM-10K-50000	50,000	10,000

### RedShift Eagle UCTM-IOK Specifications and Capabilities

#### Architecture

- ◆ Hardened Linux on Industry Standard Architecture
- ◆ Highly tuned and enhanced Kernel and SIP stack for multi-layer security application
- ◆ Fail-operational or fail-secure bypass modes on power-down or software watchdog events

#### Capabilities

- ◆ 5,000 to 50,000 maximum users (depending on model)
- ◆ Up to 10,000 active sessions depending on model and application
- ◆ Support for line-rate bidirectional media and signaling flows on Gigabit Ethernet traffic Interfaces

#### Software

- ◆ Encrypted and Authenticated Web and CLI Interfaces
- ◆ 1 + 1 redundancy with synchronization of all session and security state, logs and provisioning
- ◆ Automatic event logging to server or download to Web client
- ◆ Automatic signature upgrade
- ◆ Remote software upgrade with failback to saved previous image
- ◆ NTP time synchronization support
- ◆ Support for separate management and protected UC&C traffic networks

#### Hardware

- ◆ Dual Intel Xeon Processors at 2.33 GHz
- ◆ Dual redundant power supplies
- ◆ 8 GB DDR2 working memory
- ◆ 2 GB Flash non-volatile storage for OS and Application code
- ◆ Dual 160 GB HDDs for log files
- ◆ RS-232 Console port
- ◆ 4 active Ethernet ports (10/100/1000), 2 Ethernet ports for future expansion
- ◆ (2 for UC&C traffic with bypass, 1 management, 1 redundancy synchronization)
- ◆ 2 optional GbE SFP Ethernet ports

#### Mechanical & Environmental

- ◆ Power requirements: 400W, 100–240 VAC (maximum, each supply) Environmental
- ◆ Dimensions: 443(W) x 512(D) x 88(H) mm, 17.44(W) x 20.1(D) x 3.46(H) in, 2 RU (H)
- ◆ Operating Environment: 5°C - 40°C, 20%-90% RH
- ◆ Storage Environment: 0°C-70°C, 5% - 95% RH
- ◆ Approvals: CE / FCC /UL

#### RedShift Networks

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