

## RedShift Networks UCTM



RedShift WEB GUI  
for complete control



## RedShift Hawk UCTM-2K 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 Hawk UCTM-2K

### RedShift Hawk UCTM-2K Additional Features

**The RedShift Unified Threat Assessment Framework (UTA) for your UC&C network Includes these features for you 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 Hawk-2K appliances with RSNOS advanced application-aware UC&C behavioral learning security software (typical, other models are available)**

Product	Part Number	Users	Active Sessions
RSN-Hawk	UCTM-2K-250	250	125
RSN-Hawk	UCTM-2K-500	500	250
RSN-Hawk	UCTM-2K-1000	1000	300
RSN-Hawk	UCTM-2K-3500	3500	875

### RedShift Hawk UCTM-2K 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
- ◆ High Availability Architecture

#### Capabilities

- ◆ 250 to 3500 maximum users (depending on model)
- ◆ Up to 1000 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
- ◆ Continuous automatic signature upgrade
- ◆ Remote software upgrade with fallback to saved previous image
- ◆ NTP time synchronization support
- ◆ Support for separate management and protected UC&C traffic networks

#### Hardware

- ◆ Intel Core 2 Duo Processor at 2.13 GHz
- ◆ 2 GB DDR2 working memory
- ◆ 2 GB Flash non-volatile storage for OS and Application code
- ◆ 80 GB HDD 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)

#### Mechanical & Environmental

- ◆ Power requirements: 220W, 100 – 240 VAC
- ◆ Dimensions: 443(W) x 406(D) x 44.5(H) mm, 17.4(W) x 16.0(D) x 1.73(H) in., 1 RU (H)
- ◆ Operating Environment: 5°C - 40°C, 20% - 90% RH
- ◆ Storage Environment: 0°C - 70°C, 5% - 95% RH
- ◆ Approvals: CE / FCC /UL

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