



ThreatARMOR™

Block Attacks. Find Threats.

Part of Keysight's **Security Operations Suite**

No one connects their site to the Internet without deploying multiple security tools that include a firewall, IPS, antivirus, DLP, and often a SIEM to tie them all together. Hackers are not invisible, they leave traces as they penetrate the network and extract data. Yet, every day we see another headline announcing another major — and preventable — breach.

Because the constant barrage of security alerts from those devices overwhelms the teams that operate them, making it impossible to find the “needle in the haystack” needed to detect the critical traces of an intrusion or data breach before it’s too late.

ThreatARMOR makes that haystack smaller by blocking traffic to and from known-bad sites and untrusted countries. By automatically applying an always-on threat intelligence feed to your network, you can eliminate network traffic from phishing sites, malware distribution sites, botnet controllers, hijacked networks, and unallocated IP addresses. With ThreatARMOR, you can reduce up to 80% of the malicious and invalid traffic that generates security alerts, enabling your SecOps team to get back to doing what they do best: making your network more secure.

Highlights

- Reduce “alert fatigue” by eliminating traffic from known bad sites such as botnet controllers, phishing, and malware distribution.
- Stop traffic from unwanted countries.
- Quickly find compromised internal systems.
- Block connections with hijacked IP addresses.
- No false positives – clear proof of criminal behavior for all blocked sites.
- Always-on cloud update service from Keysight’s ATI Research Center.
- Dual redundant power supplies and integrated fail-to-wire bypass for maximum reliability.
- Centralized management option.
- Part of Keysight's **Security Operations Suite** of enterprise security tools.



ThreatARMOR 10G



ThreatARMOR 1G



ThreatARMOR's unique combination of performance, effectiveness, and ease of deployment have earned it a spot on the Cyber Catalyst by Marsh program. Run by Marsh, the world's leading insurance broker and risk advisor, participating insurance vendors choose products which they believe will target top cyber threats and reduce the risk of cyber incidents. Keysight is proud to have ThreatARMOR selected as one of only 15 Cyber Catalyst designees for 2020.



Leveraging cloud-based security validation and scalable management, ThreatARMOR doesn't use signatures so there are no false positives. All blocked sites are supported with clear on-screen proof of malicious activity such as malware distribution or phishing, including date of most recent confirmation and even screen shots. With over a decade of malware and security testing expertise, Keysight's Application and Threat Intelligence (ATI) Research Center keeps the threat feed up to date, individually validating every single blocked site every day and updating every ThreatARMOR appliance every 5 minutes with the latest threat intel.

Since network availability is critical to your business, ThreatARMOR is built for resilient and failsafe operation. Features such as dual-redundant power supplies and Ethernet interfaces with built-in bypass modes ensure network availability on both the 1GbE copper and 10GbE fiber interfaces. The ThreatARMOR security appliance:

- Reduces threats by blocking all traffic to and from known-bad sites and untrusted countries
- Improves operational efficiency by reducing the number of security alerts
- Blocks outbound Botnet communication from infected internal systems
- Improves the ROI and boosts the performance of your network security infrastructure

Key Features

- 1U Security Appliance
- inline blocking, inline monitor-only, out-of-band monitor-only modes
- full line rate across all ports with blocking enabled
- reporting, blocking, or fail-safe bypass operation
- always-on ATI cloud security service
- cloud-based Central Management option
- lightweight iOS management client

Specifications

Specification	ThreatARMOR 10G	ThreatARMOR 1G
Management	<ul style="list-style-type: none"> • Front-panel LCD display and push-button controls • Separate management and Internet-facing download interface 	<ul style="list-style-type: none"> • Front-panel LCD display and push-button controls • Separate management and Internet-facing download interface
Physical Specifications Size and Weight	<ul style="list-style-type: none"> • 1U high 19" chassis • Dimensions: 17.4"W x 24.25"D x 1.75"H (inches) • Dimensions: 442mm(W) x 616mm(D) x 44mm(H) • Weight: 22.05 lbs. (10 kg) 	<ul style="list-style-type: none"> • 1U high 19" chassis • Dimensions: 16.9"W x 16.7"D x 1.7"H (inches) • Dimensions: 429.26mm(W) x 424mm(D) x 43.18mm(H) • Weight: 22.0 lbs. (10 kg)
Power Requirements	<ul style="list-style-type: none"> • Dual AC power supplies • Operating input voltage: 100 to 240 VAC, 47 to 63 Hz • Idle current: 1.0A @ 120VAC • Max. operating input current: 2.4A @ 120 VAC • Heat/power dissipation for module at 100% traffic load: maximum 288 W / 983 BTU/hour 	<ul style="list-style-type: none"> • Dual AC power supplies • Operating input voltage: 100 to 240 VAC, 47 to 63 Hz • Idle current: 0.6A @ 120VAC • Max. operating input current: 1.7A @ 120 VAC • Heat/power dissipation for module at 100% traffic load: maximum 204 W / 696 BTU/hour
Operational Environment	<p>Temperature</p> <ul style="list-style-type: none"> • Operating: 32°F to 104°F (0°C to 40°C) • Storage: -4°F to 167°F (-20°C to 75°C) <p>Humidity</p> <ul style="list-style-type: none"> • Operating: 10% to 85%, (non-condensing) 	<p>Temperature</p> <ul style="list-style-type: none"> • Operating: 41°F to 104°F (5°C to 40°C) • Storage: -4°F to 167°F (-20°C to 75°C) <p>Humidity</p> <ul style="list-style-type: none"> • Operating: 10% to 85%, (non-condensing)

Ordering Information

ThreatARMOR 10G

SYS-TAMR-X

ThreatArmor 10G Security Appliance with 4 10GE SR Fiber Ethernet ports. Requires purchase of ATI subscription and warranty (either THREATARMOR-10G-ESSENTIAL or THREATARMOR-10G-ENTERPRISE-24x7) (991-0105)

SYS-TAMR-X-SM

ThreatARMOR 10G Single Mode Security Appliance (991-0126)

909-4012

Annual Subscription for Application and Threat Intelligence (ATI) License for 10G ThreatARMOR (SYS-THREATARMOR-10G). Required for ThreatARMOR functionality. Includes Essential Support: Advanced Hardware Replacement (RMA), unlimited software updates, access to Customer Web Portal and Technical Support during normal local business hours with a committed initial response time of 4 business hours.

909-4013

Annual Subscription for Application and Threat Intelligence (ATI) License for 10G ThreatARMOR (SYS-THREATARMOR-10G). Required for ThreatARMOR functionality. Includes Enterprise 24X7 Support: Advanced Hardware Replacement (RMA), unlimited software updates, access to Customer Web Portal and 24x7x365 Technical Support with a committed initial response time of 4 hours. Dedicated Support account manager with quarterly review.

ThreatARMOR 1G

SYS-TAMR-G

ThreatARMOR 1G Security Appliance with 4 1GE Copper Ethernet ports. Requires purchase of ATI subscription and warranty (either SUB-TAMR-G-ESN or SUB-TAMR-G-ENP) (991-0106)

909-4010

Annual Subscription for Application and Threat Intelligence (ATI) License for 1G ThreatARMOR (SYS-TAMR-G). Required for ThreatARMOR functionality. Includes Essential Support: Advanced Hardware Replacement (RMA), unlimited software updates, access to Customer Web Portal and Technical Support during normal local business hours with a committed initial response time of 4 business hours.

909-4011

Annual Subscription for Application and Threat Intelligence (ATI) License for 1G ThreatARMOR (SYS-TAMR-G). Required for ThreatARMOR functionality. Includes Enterprise 24X7 Support: Advanced Hardware Replacement (RMA), unlimited software updates, access to Customer Web Portal and 24x7x365 Technical Support with a committed initial response time of 4 hours. Dedicated Support account manager with quarterly review.

Learn more at: www.redhelix.co.uk

For more information on Keysight Technologies' products, applications or services, please contact **Red Helix**

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