Site server

SXR is the central command point and analysis engine for CyberCastle. Installed within your network, it provides key modules of the monitoring and management system including intrusion detection, event log collection and aggregation, endpoint scanning, and remote forensics. For networks serving multiple locations, a single SXR unit can interface with multiple DXR network data recorders, which perform full packet capture at speeds of up to 40 Gbps from locations across the network.

SXR Modules

SXR places the key technologies of in-depth cyber defense inside your network, where they are managed remotely from our Security Operations Center (SOC) as part of the total CyberCastle system. Within a single rack-mounted 1U unit, SXR includes:

- **Log Aggregation Module,** which provides security and event management (SIEM) by combining and storing content from various network and system assets and providing a holistic view of your network (server/network infrastructure, firewall, anti-virus, IDS, etc.). It centralizes the storage and interpretation of logs and allows near real-time analysis, which enables the security personnel within our SOC to take defensive actions more quickly in the event of an incident.

- **Intrusion Detection/Prevention System (IDS/IPS)**, which provides detection and prevention of network-based malicious events. The IDS/IPS is engineered around a multi-threaded engine and optimized with our unique signature set and algorithms. It monitors all inbound and outbound activity within your network to detect and interrupt the cyber kill chain of an attack.

- **Endpoint Scanner**, which quickly scans thousands of endpoints simultaneously looking for evidence of malware, both known and unknown, as well as abnormal behavior and actual intrusion. After generating a baseline of your network's endpoints, the Endpoint Scanner can quickly identify the exact location of malicious code, enabling remediation by the Remote Forensics Module.

- **Remote Forensics Module,** a comprehensive solution to finding digital evidence from network and endpoint devices, enables live forensics, data recovery, and eDiscovery, and provides a powerful malware analysis solution combining an interactive, programmable, multi-processor disassembler coupled to a local and remote debugger.

Like the other components of the CyberCastle system, SXR benefits from the intelligence gathered by CXR, CyberESI's threat intel platform that combines multiple threat data sources with patented techniques to provide proactive protection for your network from fast-evolving threats.

Why You Need SXR

CyberESI was founded on the principle that **network visibility** is the bedrock of cybersecurity. The question is not *whether* you will be breached – but *when*. Network vulnerabilities and cyber-defense limitations make it inevitable. SXR is a key component in the CyberCastle high-visibility platform, which returns control of cyber-defense to our customers and turns the tables on sophisticated attacks.

Technical Specifications

	SXR 10	SXR 100	SXR 200	SXR 400
Network Bandwidth (max)	250 Mbps	1 Gbps	10 Gbps	10 Gbps (options up to 40 Gbps*)
Storage (max)	1 TB	2 TB	2 TB	2 TB
Network Card	1 Gbps, 2xRJ45 onboard and 2x RJ45 NIC	1 Gbps, 1x RJ45 IPMI, 2xRJ45 onboard, and 2x RJ45 NIC	10 Gbps, 1x RJ45 IPMI, 2xRJ45 onboard, and 2x 10GRJ45	10 Gbps, 1x RJ45 IPMI, 2xRJ45 onboard, and 2x 10GRJ45
Processor	One 12 Core CPU. Hyper threading support for 24 threads	Two 8 Core CPU's. Hyper threading support for 32 threads	Two 10 Core CPU's. Hyper threading support for 40 threads	Two 10 Core CPU's. Hyper threading support for 40 threads
Memory	48GB	96GB	256GB	256GB
Dimensions	15.5'' x 17''x 1.5''	19" x 1.75" x 25.2"	19" x 3.5" x 25.2"	19" x 7" x 25.2"
Form Factor (Rack Unit)	Mini 1U	1U	2U	4U

* 40 Gbps network bandwidth available based on a custom design to meet specific infrastructure requirements.
 Optional NIC interface cards available
 Specifications subject to change.

About CyberCastle

CyberCastle is the comprehensive security monitoring and management service from CyberESI. CyberCastle provides **defense in depth** that continuously adapts to the latest cyber threats to keep your data, applications and critical infrastructure secure. We designed CyberCastle to jump a high bar: delivering superior performance at a competitive price for the small-to-midsize organization whose cybersecurity exposure is growing faster than its resources.

About CyberESI

Founded in 2010 by a team of cybersecurity experts, CyberESI is a Managed Security Service Provider focused on the midsize enterprise with expanding cybersecurity needs. We focus on 24x7x365 remote security monitoring and management of your mission-critical networks. In addition, we offer a full range of professional services that assess your risks, establish the right policies to meet them and design in-depth network defenses

410-921-3864
info@cyberesi.com
www.cyberesi.com