



Network, Security and Systems Management in One Affordable Appliance

CommandCenter NOC

Manage and secure your IT infrastructure

NOC 250

- 25 Windows servers
- 25 SNMP-enabled devices
- 250 client PCs

NOC 100

- 10 Windows servers
- 10 SNMP-enabled devices
- 100 client PCs

The CommandCenter NOC 250 and NOC 100 are multifunction IT infrastructure management appliances that enable businesses to solve a wide range of IT problems before they occur. The NOC 250 is intended for medium-size IT operations with up to 25 Windows® servers, 25 SNMP-enabled devices including Linux/UNIX servers, routers and switches, as well as 250 client PCs. The NOC 100 manages IT infrastructures of up to 10 Windows servers, 10 SNMP-enabled devices and 100 client PCs.

Both products integrate world-class network and systems management, traffic analysis, vulnerability scanning, intrusion detection, asset management and reporting functionality into one easily deployed platform. Designed to guard your network against outages, degradation, performance slowdowns, security weaknesses and incoming attacks, the CommandCenter NOC 250 and NOC 100 keep your IT infrastructure under constant scrutiny. They help ensure application availability and network resource optimization.

The CommandCenter NOC 250 and NOC 100 are both members of Raritan's CommandCenter family of Service Management solutions, the first to integrate the power of systems, network, application and proactive security management with secure, remote in-band and out-of-band server and network device access. This extremely powerful combination delivers alerts together with detailed diagnostic information, and direct connection to the device in distress from a single interface. The net result: your IT staff can quickly identify problems before they impact service levels and fix them without leaving their chairs.

Reporting, asset management and IT compliance:

The CommandCenter NOC 250 and NOC 100 produce a set of standard reports on your network's performance. XML-formatted data can be exported so you can create unlimited custom reports. This allows you to make informed decisions and satisfy regulatory audit requirements.

- ▶ IT infrastructure reports can support compliance audit requirements for regulations like Sarbanes-Oxley, HIPAA, the Gramm-Leach-Bliley Act (GLBA) and Basel II.
- ▶ Comprehensive hardware and software configuration inventories and installed application license counts simplify audits and asset management.
- ▶ Delta Inventory Reporting notes hardware and software additions, removals and changes. This can help implement ITIL best practices.

Manage and Secure Your IT Infrastructure...

Infrastructure reliability and performance trending and analysis:

- ▶ Performance data collection lets you make informed decisions on new upgrades and purchases, or eliminate costs of underutilized infrastructure.
- ▶ Notifications are sent to the appropriate party, based on roles and responsibilities, when critical performance thresholds are violated so you can take action quickly.
- ▶ Network traffic reports let you understand your network usage and trends.

Network management and system security:

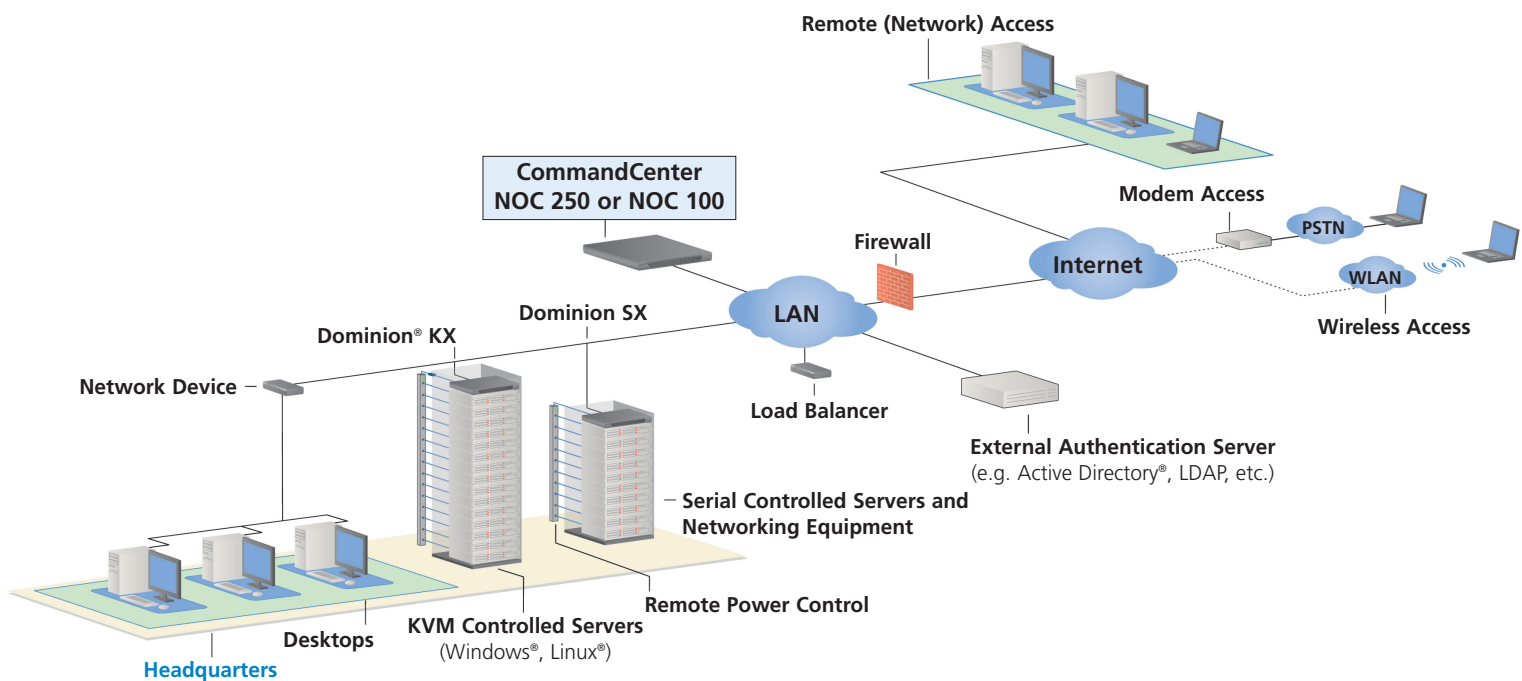
Hyper-Access™ is the revolutionary way CommandCenter management products combine proactive monitoring with secure, remote access to get you right to the heart of problems. When trouble occurs anywhere in your network, CommandCenter NOC can send an e-mail alert notification with a Hyper-Access link. The Hyper-Access link connects

to diagnostic information about the device that triggered the alarm plus instant, click-and-fix in-band and out-of-band access to the distressed device through CommandCenter Secure Gateway. This can all be accomplished within a single screen and without anyone leaving their chair.

Hackers, worms and other security threats may be entering your network without your knowledge.

The CommandCenter NOC 250 and NOC 100 provide vulnerability scanning and intrusion detection to discover security problems before they cause harm.

- ▶ Intrusion detection and management discovers security threats and recommends solutions.
- ▶ Log file consolidation supports numerous IT assets, including firewalls, antivirus software and Windows® servers.
- ▶ Unlimited vulnerability scans and one-click reporting uncover weaknesses, unpatched systems and provide recommended solutions.



At a Fraction of the Cost and Complexity of Alternatives

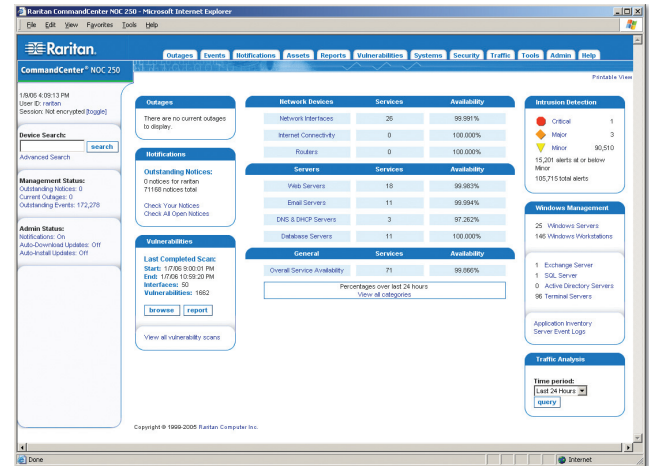
NOC 250 and NOC 100 functionality:

- Storage of performance metrics for up to one year and of outage information in perpetuity (80GB hard drive)
- Network notifications to any e-mail, pager or phone when critical performance thresholds are violated
- Network management subsystem
 - Ad-hoc and daily scheduled reports
 - Immediate and automatic initiation of discovery (re-discovery occurs every 24 hours thereafter)
 - Discovery and polling of services and protocols using synthetic transactions
 - Custom category and user views based on TCP/IP address or service
 - Performance data collection from managed devices via either SNMPv1, SNMPv2c or Windows Management Instrumentation (WMI)
 - Support for over 2700 unique standard and vendor SNMP traps and notifications, including Raritan's CommandCenter Secure Gateway and Dominion® products
 - Multisite management capability, which allows all events to be filtered and forwarded to any SNMP-based management system
 - Support for Syslog messages from Linux and UNIX systems, firewalls, etc.
 - Scheduled outages accommodate service windows and other planned downtime
 - User-configurable browser view and reports
- Vulnerability scanning
 - Individually defined network scans of an unlimited number of hosts with ability to schedule one-time or recurring scans
 - Four discrete levels: port scanning, profiling, intrusion attempts and malicious intrusions
 - Vulnerability descriptions include background and solution information
- Asset tracking, reporting and management
 - Parallel database allows tracking of critical location, vendor and support information
 - Import/export facility allows population with existing data or export for use in spreadsheets
- Notification subsystem
 - Group-based configuration paradigm with automatic in-group and super-group escalation
 - Configurable by event that generates the notification, destination, time of delivery and escalation
 - Deliverable to any email-addressable device or telephone or pager
- Reports
 - Reports can be scheduled to automatically be produced and delivered via e-mail
 - Reports can be viewed in a browser in PDF or HTML, downloaded as a ZIP file, sent via e-mail, or exported in XML format for customization
 - Standard reports: Network Report Card, Availability Report, Outage Report, Intrusion Detection Reports, Vulnerability Report, SNMP Performance Reports, Windows Management Performance Reports, Inventory Report and Delta Inventory Report
- Windows management subsystem
 - Discovers all devices, by domain, via WMI
 - Automatic categorization of server vs. desktop based on operating system
 - Collects performance metrics from servers and selected desktops including:
 - **processor** (queue length, interrupts per second, % interrupt time, % privileged time, % processor time, % user time)
 - **network** (total bytes per second, bytes transmitted and received per second, current bandwidth, output queue length)
 - **memory** (available bytes, page faults per second, commit limit, committed bytes)
 - **logical disk** (% free space), physical disk (average disk queue length, current disk queue length) and paging file (% usage, % usage at peak)
 - Consolidates all system, security and application event log entries (error and failure)
 - Sends notification if service fails to restart
 - Hardware, software and configuration inventories and optional performance data collection available for desktop-class systems

Specifications



Specifications for all CommandCenter NOC Models	
Form Factor	1U full width, rack mountable
Dimensions (DxWxH)	24.21" x 19.09" x 1.75"; 615 x 485 x 44mm
Weight	23.80lb; 10.80kg
Power	Single supply (1 x 300 watt)
Maximum Heating Value	856 BTU
Cooling	Redundant fans
Operating Temperature	50°-95°F; 10°-35°C
Humidity	8% - 90% RH
Mean Time Between Failure (MTBF)	36,354 hours
Hardware	Processor: AMD Opteron 146 Hard Disc and Controller: Two 80-GB SATA @7200 rpm, RAID 1 CD-ROM Drive: DVD-ROM
Local Access Port	KVM Admin Port: DB15 + PS2 or USB keyboard/mouse Serial Admin Port: DB9
Remote Connection	Network: Two 10/100/1000 Ethernet (RJ-45) Protocols: TCP/IP, HTTP, HTTPS, UDP, SNMP, RADIUS, LDAP, TCACS+, SNMP, SNTF
Discovery and Polling	Services and Protocols: Citrix®/ICA®, DHCP, DNS, FTP, HTTP, HTTP:8000, HTTP:8080, HTTPS, ICMP, IMAP, Informix®, LDAP, Lotus® Domino®/IIOP, MySQL®, Oracle®, POP3, PostgreSQL, SMTP, SNMP, SQL Server®, SSH, Sybase® and user-customizable pollers
Warranty	One year hardware warranty. Extended warranty also available. Software support agreement required. Agreement provides: remote technical support, software updates and software releases as available.



- Intrusion detection subsystem
 - Dedicated secure interface (promiscuous mode) for traffic capture
 - Signature-based NIDS
 - Event descriptions contain hyperlinks to Raritan's Web library of intrusion information
 - Over 20Mbits/sec data rates
 - Raritan's Signature Profiler allows for rule-based auto-configuration of signatures
- Network utilization and bandwidth analysis
 - Leverages promiscuous listening to analyze traffic
 - Graphically illustrates bandwidth utilization by Ethernet, IP and application protocols
 - Delivers "Top 10" reports: Top Talkers, Top Sessions, Most Visited Web Sites and Top DNS Requests

When you're ready to take control, do it with CommandCenter NOC.

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Raritan is a leading supplier of solutions for managing IT infrastructure equipment and the mission-critical applications and services that run on it. Raritan was founded in 1985, and since then has been making products that are used to manage IT infrastructures at more than 50,000 network data centers, computer test labs and multi-workstation environments around the world. From the small business to the enterprise, Raritan's complete line of compatible and scalable IT management solutions offers IT professionals the most reliable, flexible and secure in-band and out-of-band solutions to simplify the management of data center equipment, applications and services, while improving operational productivity. More information on the company is available at Raritan.com.