



## Availability and Performance Monitoring in One Affordable Appliance

### CommandCenter NOC

Manage and secure your IT infrastructure

#### NOC 250

- Secure unlimited nodes
- Inventory 1000 nodes
- Monitor & manage 50 nodes

#### NOC 100

- Secure unlimited nodes
- Inventory 1000 nodes
- Monitor & manage 20 nodes

CommandCenter NOC 250 and NOC 100 are easy to use availability, performance monitoring and security tools ideally suited to medium-sized IT operations. They are multifunction IT infrastructure management appliances that enable businesses to solve a wide range of IT problems before they occur. The NOC 250 and NOC 100 are intended for medium-size IT operations with any or all of the following network nodes - Windows® servers, Linux servers, Unix servers, routers, firewalls, switches, and 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 server class appliance. The appliance is factory configured and tested and includes sever class hardware, operating system, database, and application software. It is 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.



When you're ready to take control®

# 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:

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

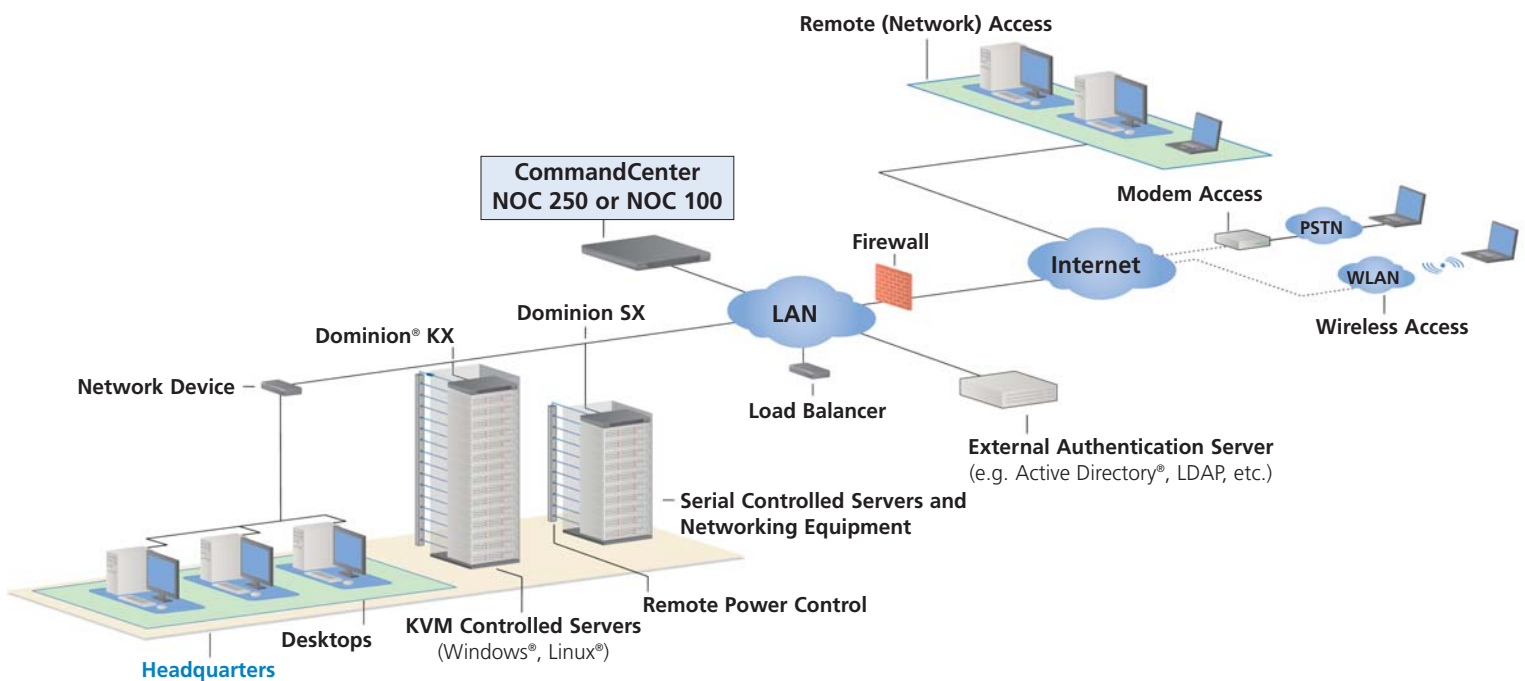
The CommandCenter NOC 250 and NOC 100 provide vulnerability scanning and intrusion detection to discover security problems before they cause harm.

- ▶ 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.

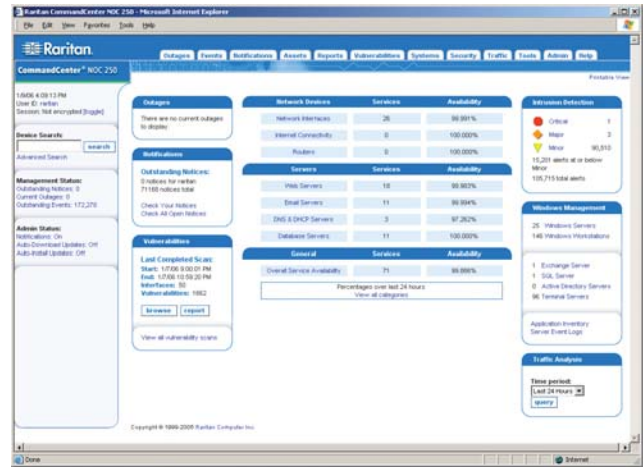
## NOC 250 and NOC 100 functionality:

- ▶ 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



# At a Fraction of the Cost and Complexity of Alternatives

- 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	
<b>Form Factor</b>	1U full width, rack mountable
<b>Dimensions (DxWxH)</b>	24.21" x 19.09" x 1.75"; 615 x 485 x 44mm
<b>Weight</b>	23.80lb; 10.80kg
<b>Power</b>	Single supply (1 x 300 watt)
<b>Maximum Heating Value</b>	856 BTU
<b>Cooling</b>	Redundant fans
<b>Operating Temperature</b>	50°-95°F; 10°-35°C
<b>Humidity</b>	8% - 90% RH
<b>Mean Time Between Failure (MTBF)</b>	36,354 hours
<b>Hardware</b> Processor Hard Disc and Controller CD-ROM Drive	AMD Opteron 146 Two 80GB SATA @7200 rpm, RAID 1 DVD-ROM
<b>Local Access Port</b> KVM Admin Port Serial Admin Port	DB15 + PS2 or USB keyboard/mouse DB9
<b>Remote Connection</b> Network Protocols	Two 10/100/1000 Ethernet (RJ-45) TCP/IP, HTTP, HTTPS, UDP, SNMP, RADIUS, LDAP, TCACS+, SNMP, SNMP
<b>Discovery and Polling</b> 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
<b>Warranty</b>	Two year hardware warranty. Extended warranty also available. One year software support agreement. Agreement provides remote technical support, software updates and software releases as available.

## Intrusion Detection and Bandwidth Management

- Intrusion detection subsystem
  - Dedicated secure interface (promiscuous mode) for traffic capture
  - Signature-based NIDS
  - Individually customizable signature detection, service and application monitoring configuration pages to allow CC-NOC to fit the needs of individual networks
  - Event descriptions contain hyperlinks to Raritan's Web library of intrusion information
  - Over 20Mbits/second data rates with peaks up to 45Mbits/second
  - Raritan's Signature Profiler allows for rule-based auto-configuration of signatures
- Network utilization and bandwidth analysis
  - Leverages promiscuous listening to measure and analyze traffic
  - Collects and reports Cisco NetFlow information
  - 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.**

**Call 1.800.724.8090 or visit [Raritan.com/ccnoc](http://Raritan.com/ccnoc)**

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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 multiworkstation 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](http://Raritan.com).