

# n-Command<sup>®</sup> MSP Positioning



## Introduction

The ADTRAN<sup>®</sup> n-Command MSP is an easy-to-use and powerful network management platform that provides remote monitoring and management for a wide range of ADTRAN business networking solutions. Through the use of n-Command MSP, network planners, operators, and managers can achieve significant network performance improvements, operational cost savings and improved customer service.

The new n-Command MSP network management platform consists of a centralized NetVanta<sup>®</sup> Server 450 that runs the management software and communicates with remote ADTRAN NetVanta and Total Access<sup>®</sup> 900 Series devices running the ADTRAN Operating System (AOS).

### Key Functionality:

- Easy to use Graphical User Interface (GUI) Dashboard
- Configuration Management
- Firmware Management
- Backup/Restore Automation
- Inventory and Asset Management
- Voice over IP (VoIP) Performance and Quality Monitoring

### Solution Goals:

- Simplify the installation and maintenance of ADTRAN Total Access 900 and NetVanta Series equipment
- Provide a central management solution for monitoring and trouble shooting VoIP quality
- Enhance the ability of ADTRAN partners to deploy managed services

### Value Proposition:

- Enables ADTRAN partners the ability to sell a complete solution including business networking equipment and the new n-Command MSP management platform.
- Provides network data that partners can use in customer meetings to discuss network plans and growth.
- Offers opportunities for partners to differentiate their services and enhances their competitive position.
- Increase the opportunities to sell value-added service and generate additional revenues.

## Target Customers

Organizations who deploy ADTRAN NetVanta or Total Access 900 Series equipment and are interested in:

- Managing firmware across devices in the network
- Managing configuration files on devices in the network
- Remote monitoring of system health
- Ensuring a high level of voice quality
- Managing inventory

### Service Providers

NSPs and CSPs who have deployed large numbers of ADTRAN's Total Access IADs, Total Access IP Business Gateways and NetVanta solutions are ideal candidates for using n-Command MSP. Service providers can use n-Command MSP as a tool in their Network Operations Center (NOC) to remotely monitor and manage their Total Access and NetVanta equipment, reducing network downtime, improving VoIP performance, and lowering ongoing operational costs.

### MSP VARs

Partners who are providing managed services to their customers will be interested in ADTRAN's n-Command MSP as a way to sell more value-added network monitoring and management services.

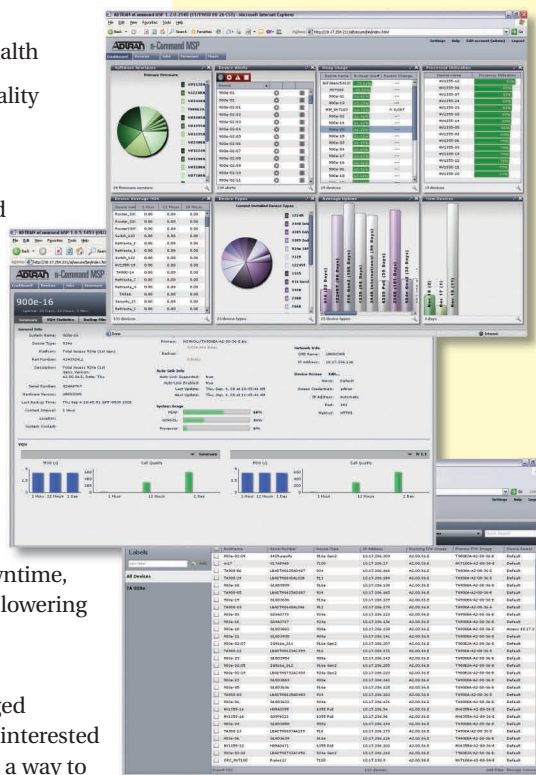
### Distributed Enterprises

Medium- to large-sized distributed enterprise organizations are ideal candidates for n-Command MSP as a tool in their central Network Operations Center (NOC) to remotely monitor and manage the distributed ADTRAN equipment.

## Competitive Advantages

ADTRAN's new n-Command MSP offers users several advantages over competing approaches including:

- Easy to use Graphical User Interface (GUI)
- Attractive Total Cost of Ownership (TCO) through lower equipment cost and lower licensing costs
- Eliminating the need for external network probes
- Includes industry-leading service and support



**ADTRAN Inc.**  
901 Explorer Blvd.  
Huntsville, AL 35806  
P.O. Box 140000  
Huntsville, AL 35814-4000  
800 9ADTRAN  
[www.adtran.com](http://www.adtran.com)

**Pre-Sales Technical Support**  
[application\\_engineering@adtran.com](mailto:application_engineering@adtran.com)  
800 615-1176

**To download a searchable version of the ADTRAN Enterprise Networks Catalog, visit**  
[www.adtran.com/ecatalog](http://www.adtran.com/ecatalog)

# n-Command<sup>®</sup> MSP Positioning

## n-Command MSP and n-Command Enterprise Edition

n-Command MSP is the newest management platform in the line of n-Command solutions from ADTRAN<sup>®</sup>. The following describes the differences between n-Command MSP and the existing n-Command Enterprise Edition. First, n-Command MSP collects and reports VoIP voice quality statistics calculated from the managed devices. Second, the MSP version runs on the NetVanta<sup>®</sup> Server 450 where the Enterprise Edition operates on a customer supplied server. Third, the n-Command MSP is a fully Web-based architecture while the Enterprise Edition uses a server/client model. The n-Command MSP is available via a Web interface and can be accessed using Web browsers such as Firefox<sup>®</sup>, Internet Explorer<sup>®</sup>, or Google<sup>®</sup> Chrome. The user-interface is written in Adobe<sup>®</sup> Flex, and is very modern in appearance, also providing users a very easy, intuitive interface to manage ADTRAN Operating System (AOS) based devices.

## Quick Comparison Chart

	n-Command MSP	n-Command EE
<b>User Interface</b>	Web Browser/GUI	MS Windows
<b>VQM Reporting</b>	Yes	No
<b>ACL Management</b>	No	Yes
<b>Firmware Management</b>	Yes	Yes
<b>Config Backup/Restore</b>	Yes	Yes
<b>Inventory Management</b>	Yes	Yes
<b>Firewall Traversal</b>	Yes	No
<b>Server</b>	NetVanta Server 450	User Supplied

## Auto Link

One of the key technical functions of the new n-Command MSP product is the ADTRAN Auto Link communications between remote devices and the central NetVanta Server 450. Think of Auto Link as a “phone home” type of communication. Remote ADTRAN devices running AOS version A2.01 or 17.4 and above will have Auto Link embedded. Periodically, the remote device will automatically link back to the central NetVanta Server 450 using HTTPS. This avoids common issues with firewalls since the communication is initiated from the remote device, which is behind the firewall. ADTRAN’s Auto Link is a firewall-friendly approach and maintains a customer’s firewall protection and security. The ADTRAN Auto Link communication is used for inventory, configuration, and backup/restore operations.

## SIP Messages

Voice Quality Monitoring (VQM) exporting and reporting uses small, low-bandwidth SIP messages. At the conclusion of each VoIP call, a small SIP message will package the voice quality and performance metrics such as Mean Opinion Score (MOS), jitter, and delay data to the central n-Command MSP server.

## ADTRAN Products Supported

	Auto Link	VQM Reporting
<b>ADTRAN Voice Products with AOS A2.01 or above:</b>		
<b>NetVanta 6000 Series</b>	yes	yes
<b>NetVanta 7000 Series</b>	yes	yes
<b>Total Access 900 Series</b>	yes	yes
<b>ADTRAN Data Products with AOS 17.4 and above:</b>		
<b>NetVanta 1000 Series</b>	yes	future
<b>NetVanta 3000 Series</b>	yes	future
<b>NetVanta 4000 Series</b>	yes	future
<b>NetVanta 5000 Series</b>	yes	future

(NetVanta 300, 1224, 1524 Series not supported)

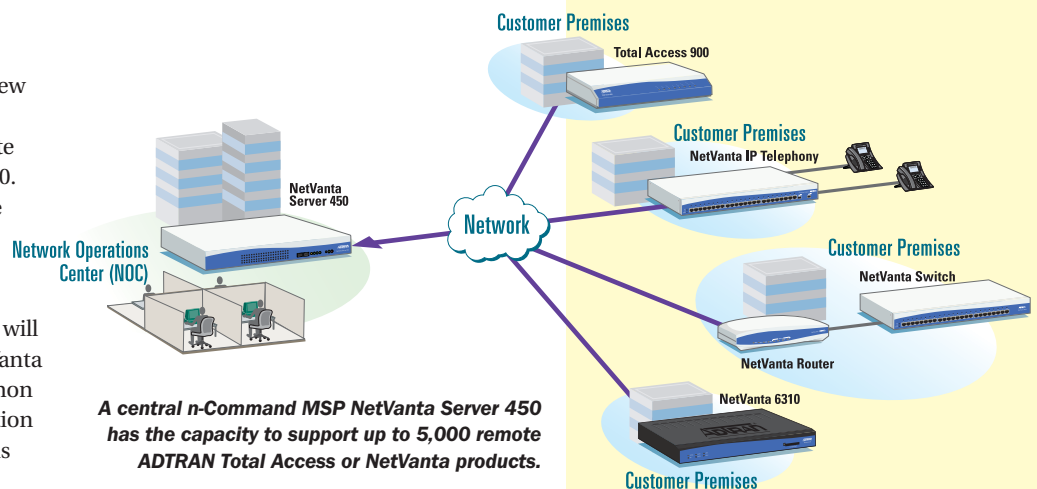
## Demo Program

There is an easy and convenient option for prospective customers to demo n-Command MSP. NetVanta Server 450 units are installed at ADTRAN and remotely accessible as demo units. A customer may gain temporary demo access to one of these units by working with his or her sales manager and product management team to schedule time and receive login credentials. The customer may then manage their currently deployed units, using the demo n-Command MSP. For further information on the demo program, please contact an ADTRAN Sales Manager.

## n-Command MSP Ordering

**Part number 1700840G1** (includes a NetVanta Server 450 and unlimited licenses for first 12 months).

**Part number 1700847G1** 24-inch rails for rackmounting the server.



EN1221B Copyright © 2009 ADTRAN, Inc. ADTRAN believes the information in this publication to be accurate as of publication date, and is not responsible for error. Specifications subject to change without notice. ADTRAN, n-Command, NetVanta, and Total Access are registered trademarks of ADTRAN, Inc. and its affiliates in various countries. All other trademarks mentioned in this document are the property of their respective owners.