

The WideBand Network Management Unit (nMU), pronounced "net MU", is the hardware device that creates Intelligent, Secure, and High Availability WideBand 1.7 Networks. The nMU works in conjunction with WideBand Professional switches to provide critical network features including comprehensive cable and physical layer testing of every segment, network performance monitoring, automatic firmware updates, service and failure alerts, and routing interfaces. The built-in advanced firewall, also allows it to act as a gateway to WAN and Internet connections.

The nMU makes it easier to optimize networks by automatically programming groups of switches at a time and providing a central point of control. It comes with automatic software updates to add new features and capabilities. With an optional Gold Support package, it can even be remotely maintained and managed by WideBand Network Engineers.

Intelligent: The "brain" of a WideBand Network is the nMU. It is like having an engineering team in a box. Just a 1% error rate on a network segment reduces usable bandwidth by 80%. The nMU constantly monitors the network to identify and eliminate trouble spots and to keep data flowing.

Secure: The nMU uses S-Key technology to lock down the entire network. Hardware multifactor authentication keys are issued to users and network administrators to protect the network from security attacks. S-Key technology also enables secure remote management of the network over the Internet with 256-bit AES encryption.

High Availability: The nMU continuously monitors the network for faults. When problems occur, it implements solutions, automatically! Appropriate reports are generated to instigate replacement of faulty components without the interruption of service. The nMU manages servers with Gold Server Mirroring technology to provide non-stop storage services. If the primary server fails, the mirror automatically takes over without interruption of service to users. The nMU schedules automatic replacement of the faulty hardware.



Use the nMU with WideBand Professional Switches to:

- Create a redundant, high-availability WideBand 1.7 Network
- Configure WideBand Switches into a Virtual Chassis
- Set up automated "watchmen" to email you when problems or events occur on your network
- Protect your network with the nMU's advanced firewall and IP masquerading
- Test cabling links throughout your network
- Implement a network that updates switch firmware automatically
- Program management settings and set rules for departments
- Create separate user permissions for managing different departments on the network
- Separate network traffic into segments
- Take advantage of port stats in pinpointing network issues
- Support Secure Remote Management with S-Key, a hardware multifactor authentication device that protects data and management access

Specifications

Standards Compliance	WideBand Gigabit Networking Alliance (WGNA), IEEE 802.3x, IEEE 802.1d, IEEE 802.1q, IEEE 802.3z, IEEE 802.3u, IEEE 802.3, IEEE 802.1p, IEEE 802.3ad
Network Ports	1 – LAN 10/100/1000 Gigabit Ethernet Port; 1 – WAN 10/100 Ethernet Port
Maintenance Console Ports	USB, VGA, Keyboard, Mouse, Serial
Supported Network Cables	10 Mbps: Category 3 or Greater, 100 Mbps and 1000 Mbps: Category 5 or Greater
Management	Browser-based User Interface
Dimensions/Weight	19.0 x 7.3 x 4.3 inch (2U, fits 19" rack) approx. 8.6 lbs
Warranty	1-year warranty; Gold Support available

Ordering Information

Part Number	Description
WBNMUPRO	WideBand Network Management Unit (nMU – manages up to 128 switches
WBNMUPRO-S	WideBand Slave Network Management Unit (nMU-S) – manages up to 64 switches



Made in U.S.A.

Specifications in this document are subject to change without notice.