

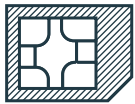
Viasat NetAgility™ NMR-1000

Mobile SD-WAN networking platform

The Viasat NetAgility™ NMR-1000 is a ruggedized networking platform designed to provide robust and resilient connectivity through the use of multiple, simultaneous internet connections. Three cellular LTE channels are bonded together to provide high-speed data throughput in cellular rich environments or to maintain the user's experience even where cellular network coverage may be poor. Additionally, supplemental network connections, such as satellite or wireless networks, can be used for increased resiliency and performance. LAN access is available through a wired or WiFi connection. The NMR-1000 functionality can be virtualized on a wide variety of third-party compute platforms (NVR-1000), for a reduced hardware footprint. Management of the device can be done locally or through Viasat's NetAgility Orchestration Portal NVO-1000 that supports remote configuration and monitoring of all a customer's NMR-1000 devices.



Using the Viasat NetAgility System, you can be connected anytime, anywhere using any network.



Supports SIM-based auto-carrier selection



High network availability with automatic failover & failback



Ruggedized against vibration, shock, dust, splash and humidity



Wi-Fi transceiver for passenger and device connectivity



Vehicle ignition sensing and built-in transient and reverse-polarity voltage protection



Cloud-managed for ease of deployment, remote management and reporting

Applications for Viasat's NetAgility NMR-1000



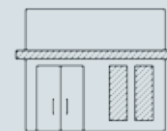
Vehicle



Industrial



Passenger



Nomadic

Viasat NetAgility NMR-1000

Technical Specifications

ENCLOSURE

Dimension	6.0" (W) × 2.2" (H) × 4.3" (D)
Weight	2.2 lbs (excluding antenna and accessories)
Mounting	Horizontal or Vertical mount plates available

ENVIRONMENTAL

Operating Temperature	-25°C to +70°C
Storage Temperature	-40°C to +85°C
Humidity	10% to 90%, non-condensing
Vibration	Operating, 5 Grms, 5-500 Hz, 3 Axes
Shock	Operating, 50 Grms, Half-sine 11 ms duration
Cooling	Passive

POWER

Input	8 to 35 VDC
Connector	3 - pin terminal block ¹
Power Consumption	Operational Power (Typical) 11 W Standby Power (Typical) 3.6 mW

PROCESSING

Processor	Intel Atom Quad Core
Memory	8 GB
Hard Drive	32 GB SSD

INTERFACES

USB 3.0	2 - Type A
Gigabit Ethernet	RJ45 (supporting 2 PoE ports)
COM Port²	2 - DB9
CAN Bus²	1 - DB9

*** For more software features see the NetAgility Network O/S user guides.

¹ Third pin on power connector can be used for accessory power functionality. ² Feature supported by Hardware, but not enabled in software. ³ Access to expansion slots require product disassembly. In default configuration, slots are populated with 4G modems

INDICATORS / USER INTERFACE

User Configuration Interface	HTTPS over LAN
System Status LED	Power / HDD indicator
Video	DVI-I connector

EXPANSION SLOTS³

M.2	1
mini-PCIE	2

OTHER

SMA (Female) for 4G antenna	6
SMA (Male) for 802.11 antenna	2

LAN

WiFi Access Point Protocols Supported	2.4 & 5 GHz Dual Band, 802.11a/b/g/n IPv4/IPv6, DHCP, DNS, NAT, Routing, VPN Pass-through, VoIP
Wired Ethernet	Panel RJ-45 2 RJ-45 Gigabit Ethernet 1 RJ-45 Gigabit Ethernet

BONDING WAN NETWORK

Max. # of interfaces	4 (3 LTE in expansion slots, 1 front panel RJ-45)
Interface types tested	4G, Wired Ethernet, Satellite

ORDERING INFORMATION

Part Number	1350873 – NetAgility NMR-1000 1350874 – NetAgility NVR-1000
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NetAgility Orchestration Portal NVO-1000

Deployment	Cloud / AWS or VM
Router Management	<ul style="list-style-type: none">› Router Provisioning / Configuration› Alert Setting› Status / Health Monitoring› Auto Recovery› Log Retrieval
Alerts	<ul style="list-style-type: none">› Data Usage› Geo Location› Link Status



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