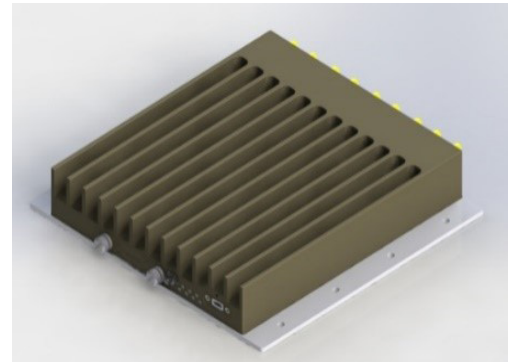# Viasat NetAgility™ NMA-200

US-designed and built quad LTE/5G mobile access device for high capacity and resilient cellular comms

## Mobile Cellular SD-WAN networking appliance

The Viasat NetAgility™ NMA-200 is a ruggedized networking appliance designed to provide robust and resilient connectivity that utilizes multiple, simultaneous cellular internet connections. The NMA-200 is comprised of four standard M.2 modems for quad 5G or 4G/LTE public and private transports—all contained within a single device. The NMA-200 interfaces with a compute platform that runs Viasat's NetAgility Virtual Router (NVR-1000) to orchestrate supplemental network connections such as satellite or wireless networks, which can be used for increased resiliency and performance.

When paired with Viasat NVR-1000, this solution provides high-speed transport bonding or autonomous resiliency when set in Primary, Alternate, Contingency, Emergency (PACE) configuration. Through the power of SD-WAN, this solution can deliver high-speed data throughput in cellular rich environments or transport diversity to maintain the user's experience even where cellular network coverage may be poor. 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 NetAgility devices.

The Viasat NetAgility System powers connectivity virtually anytime, anywhere, using any network.

Supports SIM-based auto-carrier selection SIM card slots accessible for easy swap of SIMS.

Configure channels for bonded or PACE functionality using an NVR computer platform.

Ruggedized against vibration, shock, dust, splash, and humidity for Military, Industrial, and Mobile environments.

4G/LTE and 5G Sub6 modem interfaces, supporting multiple bands, including B14 (FirstNet) and B48 (CBRS).

Ruggedized power connector for vehicle direct integration.
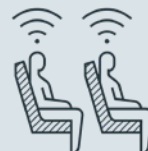
Cloud-managed for ease of deployment, remote management, and reporting.

**Vehicle**          **Industrial**          **Passenger**          **Nomadic**

# Viasat NetAgility™ NMA-200

## Technical Specifications

### ENCLOSURE

| | |
|---|---|
| **Dimension** | 8.0" (W) × 10.0" (L) × 1.6" (H) |
| **Weight** | 3.0 lbs (excluding antenna and accessories) |
| **Mounting** | Horizontal or Vertical mount plates available |

### ENVIRONMENTAL

| | |
|---|---|
| **Operating Temperture** | –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 circular |
| **Power Consumption** | Dependent on installed modem configuration, up to 38 W |

### INTERFACES

| | |
|---|---|
| **USB 3.0** | 1 - Type C |

### MODEM SLOTS

| | |
|---|---|
| **M.2** | 4 |

### ANTENNAS

| | |
|---|---|
| **SMA (Female) for 4G/5G/GPS** | 17 |

### INDICATORS / USER INTERFACE

| | |
|---|---|
| **User Configuration Interface** | Configuration managed via NetAgility Router connected via USB-C |
| **System Status LED** | Power / SIM status / Link Status |

### NETWORKING

| | |
|---|---|
| **Ethernet over USB** | NMA-200 presents NVR-1000 with 4 cellular interfaces over single USB-C connection |
| **Interface Types** | 4G/LTE, 5G/Sub6, USB-C |

### ORDERING INFORMATION

| | |
|---|---|
| **Part Number** | 1406375 – NetAgility™ NMA-200 |
| | 1350874 – NetAgility™ NVR-1000 |

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

## NetAgility Virtual Router NVR-1000

| | |
|---|---|
| **Deployment** | X86: VMWare, KVM, Bare Metal, Container* ARM: Bare Metal; Container* Cloud: AWS, Azure, Google*, OpenStack |
| **Router Features** | › Transport Bonding (up to 8 simultaneous) › SATCOM Acceleration › Mesh VPN › Commercial VPNs › Type-1 Crypto Routing › Protocols: TCP, UDP, BGP, OSPF, RIP, EIGRP |

## NetAgility Orchestration Portal NVO-1000

| | |
|---|---|
| **Deployment** | Cloud / AWS or VM |
| **Router Management** | › Router Provisioning / Configuration › Alert Setting › Status / Health Monitoring › Auto Recovery › Log Retrieval |
| **Alerts** | › Data Usage › Geo Location › Link Status |