



# Celerway Calvus

(CWY-M6.1-E2L2W)

## Software highlights

- IPSec and Open VPN
- Celerway Phantom VPN
- Seamless handover and load balancing
- Optional threat protection and content filtering
- Advanced and holistic quality indicators
- Quota management
- Captive portal
- Smart Queue Management (QoS)
- App-specific load balancing and handover
- Linux firewall
- Software-defined LAN/WAN ethernet ports
- Locking of LTE bands
- VMs for VPN termination

## Nimbus Management

- Cloud: Kubernetes
- 2-factor authentication
- Rest-API for integration
- Mass-deployment
- Config management
- SIM management
- Statistics and reports
- Alarms and troubleshooting
- Support dashboards
- Hierarchal and group access
- GPS tracking
- Live quality status of all interfaces
- Secure access to router UI



## Industries

- Bus companies
- Regional and high-speed trains
- Cars from media industry
- Emergency response vehicles

**Celerway Calvus** is the perfect match for critical transportation uses cases with special need for ruggedness like MIL-STD-810G, extended temperature range and terminal block 9-36VDC (incl. ignition delay). 2 modems and 2.4/5GHz WiFi provide resilient and high quality wireless broadband.

All Celerway products provide **critical infrastructures with resilient communication and high quality**, designed, developed and supported from Norway. A holistic approach to quality measurements in terms of collecting 50+ physical parameters and running innovative passive and lightweight active measurements ensure optimal and seamless load balancing and failover, also for VPN. The Celerway Phantom gateway ensures seamless user experience also in highly mobile scenarios. All Celerway routers can support a wide range of modems, and hence simultaneous support for 2G, 3G, LTE advanced and LTE450 is possible.

Innovative solutions to **router activation and 2-factor authentication** prevent hijacking of routers and ensure correct and updated firmware, config and user access to routers.

The **Nimbus cloud management** provides easy mass deployment, config management, alarms, statistics, troubleshooting, GPS and real-time quality indicators on all routers and interfaces.

## Highlights

- 2 x LTE Modems
- 2.4/5GHz WiFi (WAN and/or LAN)
- GPS
- 2 x Ethernet (RJ45) ports (WAN and/or LAN)
- Up to 5 simultaneous WAN connections
- 990 Mbit/s Load Balancing capacity
- 200+ Mbit/s VPN encryption

## Interfaces

- 2 x Intel® 10/100/1000 Mbps RJ-45 ports
- 1 x USB 3.0 ports
- 2x Full-size mini-PCIe socket (1x USB+PCIe+ 2x SIM; 1x USB+2 x SIM)
- 1x half-size mini-PCIe socket
- Full size SIM cards

## Physical

- Operating temperature from -20 to 60°C
- Humidity: 5-95%
- Dimensions (W x H x D): 198mm x 185mm x520mm
- Weight: 1,8 kg.
- MIL-STD-810G vibration/shock resistance
- 3 years hardware warranty

## Power

3-pin terminal block (+,-,ignition), +9~36VDC, ATX mode support ignition delay on/ off control

## Antenna connectors

- LTE: 4 x SMA female
- GPS: 1x SMA female
- WiFi: 3 x RP-SMA female

