



# Celerway Calvus

(CWY-M6.1-E2L2W)

## Software highlights

IPSec and Open VPN

Celerway Phantom VPN

Seamless handover and load balancing

Advanced and holistic quality indicators

Quota management

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

Hierarchical 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 use cases with special need for ruggedness like MIL-STD-810G, extended temperature range and terminal block 9-36VDC (incl. ignition delay). 2 modems and dual band 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
- Dual Band 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
- 150+ Mbit/s VPN encryption (800 with HW encryption)

## Interfaces

- 2 x Intel® 10/100/1000 Mbps RJ-45 ports
- 1 x USB 3.0 port and 1 x USB 2.0 port
- 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 52mm x 185mm
- 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

