The connected vehicle

By Celerway

Industries

Bus companies

Regional and high-speed trains

Cars from media industry

Emergency response vehicles

Software highlights

IPSec and Open VPN

Celerway Phantom VPN

Seamless handover and load balancing, also for VPN

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 or local Kubernetes

2-factor authentication

Rest-API for integration

Mass-deployment

Config management

SIM management

Statistics and reports

Alarms and troubleshooting

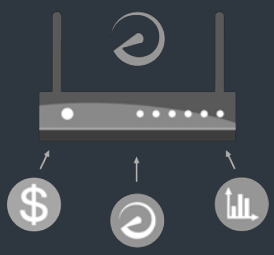
Support dashboards

Hierarchal and group access

GPS tracking

Live quality status of all interfaces

Secure access to router UI



Celerway´s router software solves the challenging use cases of high-speed mobility with a holistic approach to quality measurements in terms of collecting 50+ physical parameters and running innovative passive and lightweight active measurements. Immediate detection of degraded quality of an interface is needed to ensure seamless user experience, also for VPN services (IPSec, OpenVPN).

With **Celerway´s Phantom VPN and gateway** (VM on x86), seamless load balancing over all interfaces is enabled.

Celerway router hardware supports up to 4 LTE modems, 2 WiFi networks and 5 ethernet ports (WAN or LAN). Celerway Calvus and Celerway Volutus are perfect routers for these use cases.

Nimbus management is based on Kubernetes for cloud-based or on-premise deployment. All Celerway routers and Phantom gateways are managed from Nimbus.

Extensive trials on 35 high speed trains demonstrated in average 30% increased throughput and 10% reduced latency for handover decisions on routers connected to 3 LTE networks and WiFi (compared to simple ping-based link assessment).