



Celerway Arcus

(CWY-M6.3-E3L3W)

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
- Hierarchical and group access
- GPS tracking
- Live quality status of all interfaces
- Secure access to router UI



- ### Industries
- Maritime
 - Broadcasting
 - Emergency response vehicles
 - Busses

Celerway Arcus is the perfect match for transportation and broadcasting uses cases with special need for ruggedness, extended temperature range and wide range of voltage (incl. ignition delay). Up to 3 modems and 2.4/5GHz Wi-Fi provide resilient and high quality wireless broadband. Standard is 2x CAT12 modems, and extra CAT4, CAT6, CAT11 or LTE450 can be provided in addition. 6 SIM card slots. Possibility to upgrade CAT12 modules to CAT20 and 5G when available.

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

- Up to 3 x LTE Modems
- 6 SIM card slots
- Dual Band WiFi (WAN and/or LAN)
- GPS
- 3 x Ethernet (M12 X-coded) ports (WAN/LAN)
- PoE out on one M12 port (af, 48V)
- Up to 7 simultaneous WAN connections
- 990 Mbit/s Load Balancing capacity
- 800+ Mbit/s VPN encryption

Interfaces

- 3 x M12 X-coded GBE (also PoE)
- 2 x USB ports
- Various COM ports
- 2 x Mini-PCIe
- 2 x M.2
- 6 full size SIM slots

Physical

- Operating temperature from -20 to 70°C
- Humidity: 5-95%
- Dimensions (W x H x D): 200mm x 55mm x 280mm
- Weight: 2.2 kg.
- Mounting brackets
- MIL-STD-810G vibration/shock resistance
- E-mark (E13) (Q4/2019)
- 3 years hardware warranty

Power

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

Antenna connectors

- LTE: 6 x SMA female
- GPS: 1x SMA female
- WiFi: 3 x RP-SMA female

