



Connected Media Productions

By Celerway

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

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



Examples

- Broadcast vehicles
- Film sets
- Wi-Fi
- File uploads

Celerway provides media productions with secure, robust and high-speed Internet through its routers ranging from small handhelds to ruggedized high-end devices. All units are managed in the same management system and benefit from Celerway's smart seamless load balancing. We highlight here the ruggedized **Celerway Arcus** supporting an extended range of temperature and voltage (incl. ignition delay). Standard set up for this router is 2xCAT12 modems and a dual-Wi-Fi radio (2.4/5GHz). An extra CAT4, CAT6, CAT11 or LTE450 modem can be added to provide even more resilient and high-quality wireless broadband connections. All modems support the Dual-SIM feature. Possibility to upgrade CAT12 modules to CAT20 and 5G when available.

As the Arcus router delivers up to 1 Gbit/s 4G capacity, it provides broadcasters with the practicability of: i) transferring large files, ii) web surfing for many users, e.g., guest Wi-Fi to staff working on recording scenes, iii) live radio transmissions, iv) accessing digital platforms where there are applications requiring a lot of bandwidth like film editing, v) outdoor video conferencing, vi) accessing multiple cloud applications such as Google Drive, Gmail, Skype, etc., that do not tolerate much latency or IP address swapping.

Celerway products, **designed, developed and supported from Norway**, provide critical media productions with resilient and high-quality communications. Our technology is based on a holistic approach to quality measurements, >50 physical parameters collected, combined with optimal and seamless load balancing and failover. This seamless user experience, also delivered in highly mobile scenarios and for VPNs, is obtained by using the Celerway Phantom gateway.

Highlights

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

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

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

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

