



Telecom26

Working  
with

celerway

# IoT Modem

Proven cellular modem hardware, secure connectivity and services management

The collaborative router combines the robust software design of Celerway's device management with proven cellular modem hardware, and Telecom26's secure connectivity and services management to create a full, managed service offer in a single package, with the ability to securely access 2G, 3G, 4G LTE, WiFi, NB-IoT, and Satellite networks.

# Control and resilience in a fully managed service

Telecom26 and Celerway make it easy for anyone to combine connectivity solutions from multiple service providers using a variety of infrastructure options such as 4G LTE, Fiber, VSAT, etc. The routers support simultaneous connections of up to two separate 4G LTE mobile networks and 8 broadband networks which can all be load balanced independently.

In addition to improving total bandwidth throughput, this also eliminates the single point of failure – if one network fails, the router ensures that another takes over seamlessly, with full control through the cloud management system.

Remote service and feature updates are enabled via a rich, intuitive portal. Connectivity is secured through robust security protocols, providing an ideal solution for remote and sensitive deployments.

## Combine infrastructure and providers



### Real-time monitoring and failover

In case of poor performance or network failure router automatically switch IMSI to the best available network and if no coverage available, provide connectivity via satellite.



### Advanced traffic balancing

Balance load per Internet connection based on cost, link quality, performance, or a combination.



### Traffic groups

Fine-grained control of which network interfaces and load balancing policies are used for traffic to/from specific domains names, web sites, IP addresses, protocols, or for individual clients.



### Remote administration

New routers automatically appear in the remote administration tool and subscription portal.



Multiple forms of connectivity from wireless to fixed broadband



Telecom26 multi-IMSI SIM enables coverage and service aggregation



Fault tolerant, load balanced connectivity across multiple networks and technologies



Service management via Telecom26 subscription portal



Remote router administration using Nimbus dashboards



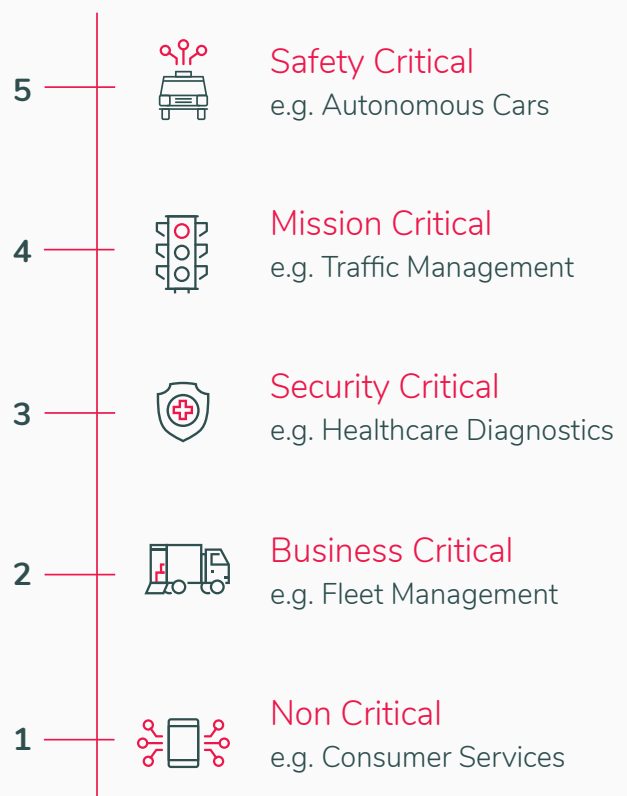
Network scan automatically selects the best network for customer profile

## Managed services from Telecom26

Telecom26 delivers the highest level of coverage, reliability, security, flexibility and functionality required for each of the critical communications categories and the corresponding vertical markets they serve.

### Key use cases

- Robust, remote site connectivity
- Continuous connectivity
- Private networks
- 5G connectivity
- eSIM / eUICC



## Cirrus

For M2M, IoT,  
Digital Signage,  
Retail, Logistics,  
Healthcare



## Pileus

For Maritime,  
Construction,  
Enterprise, Retail



## Arcus

For Maritime,  
Broadcasting,  
First Responder,  
Transportation



### Highlights

- 2 x LTE Modems
- 2.4GHz WiFi (WAN and/or LAN)
- GPS
- 5 x Ethernet (RJ45) ports (WAN and/or LAN)
- Up to 7 simultaneous WAN connections
- 95 Mbit/s Load Balancing capacity
- 15+ Mbit/s VPN encryption

- 2 x LTE Modems
- 5GHz/2.4GHz WiFi (WAN and/or LAN)
- GPS
- 3 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

- Up to 3 x LTE Modems
- 6 SIM card slots
- Dual Band WiFi (WAN and/or LAN)
- GPS
- 3 x Ethernet (M12) ports (WAN/LAN)
- Up to 7 simultaneous WAN connections
- 990 Mbit/s Load Balancing capacity
- 250+ Mbit/s VPN encryption (optional 800)

### Interfaces

- 5 x 10/100Mbps RJ-45 ports
- 1 x USB 2.0 ports
- 2 x Mini-PCIe support (both with SIM card readers)
- Full size SIM cards

- 3 x 10/100/1000 Mbps RJ-45 ports
- 2 x USB 2.0 ports
- 2 x Mini-PCIe support (both with SIM card reader)
- Full size SIM cards

- 3 x 10/100/1000 Mbps RJ-45 ports
- 2 x USB 2.0 ports
- 2 x Mini-PCIe support (both with SIM card reader)
- Full size SIM cards

### Physical

- Operating temperature from -10 to 50°C
- Humidity: 5-95%
- Dimensions (W x H x D): 145mm x 95mm x 30mm
- Weight: 0.4 kg.
- 3 years hardware warranty

- Operating temperature from -10 to 50°C
- Humidity: 5-95%
- Dimensions (W x H x D): 210mm x 180mm x 35mm
- Weight: 0.5 kg.
- 3 years hardware warranty

- 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)
- 3 years hardware warranty

### Power

- 4-pin click, 12V, 2A

- Barrel, 12V, 2A

- 3-pin terminal block (+, -, ignition), +9~36VDC,
- ATX mode support ignition delay on/off control
- PoE out on one M12 port

### Antenna connectors

- LTE: 4 x SMA female
- WiFi: 2 x RP-SMA
- GPS: 1x SMA female

- LTE: 4 x SMA female
- WiFi : 2 x RP-SMA female
- GPS: 1 x SMA female

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