



## Cumulus

Cumulus enables up to 6 simultaneous WAN connections (1 cellular), providing connectivity with 4G backup for remote devices.

Choose Cumulus to connect ATMs, ticketing kiosks, and other POS devices.

|                                     |                       |
|-------------------------------------|-----------------------|
| Maximum load balancing capacity     | 95 Mbps               |
| Phantom VPN encryption              | 60 Mbps               |
| IPSec VPN encryption                | 15 Mbps               |
| Maximum number of simultaneous WANs | 6                     |
| Dimensions w x h x d                | 110mm x 80mm x 30mm   |
| Weight                              | 0.5kg                 |
| Operating temperature               | -10°C to 50°C         |
| Humidity                            | 5% to 95%             |
| Power supply                        | Barrel, 12V, 2A       |
| Integrated cellular                 | 1 x LTE               |
| Ethernet (WAN and/or LAN)           | 5 x 10/100 Mbps RJ-45 |
| Wi-Fi (WAN and/or LAN)              | 2.4GHz                |
| USB                                 | 1 x USB 2.0           |
| Mini-PCle                           | 1                     |
| SIM card slot                       | 2 x dual full size    |
| Antenna connectors LTE              | 2 x SMA female        |
| Wi-Fi                               | 2 x RP-SMA female     |

Celerway's multi-WAN routers and M2M devices are powered by CelerwayOS, providing the best price per performance in their class. Priced to scale, our hardware solutions are ideal for large deployments in transportation, retail, and more.

### **celerwayOS**

Our lightweight and robust router software, built on open source and designed with mobile in mind. It continuously monitors traffic and network health against dozens of parameters and performs intelligent routing across multiple simultaneous WANs.

### **phantom**

A key component of CelerwayOS that enables:

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Dynamic VPN load balancing

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Seamless switching between multiple networks

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Uninterrupted high-speed VPN and site-to-site communications

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Ultra-flexible network topologies

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On-premise or cloud-based operation on virtual machines or x86 hardware

### **nimbus**

Our remote administration system for deploying and managing devices running CelerwayOS:

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User-friendly dashboard and comprehensive live reporting

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Powerful features for mass deployment

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Secure access with 2-factor authentication

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Flexible notification and alerts system

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Timely and worry-free firmware updates



At Celerway, we're on a mission to keep business ahead of the mobile curve.

The Celerway mobile-first platform enables customers to harness the power of multiple simultaneous wireless and wired connections to take their networks where they want them to be, thus expanding the reach of their SD-WAN or edge and branch networking solutions.

Based in Oslo, Norway, Celerway was founded in 2012 to bring the results of advanced research into the real world. Since then, we have proven our mobile-first CelerwayOS with customers in Norway, Switzerland, the UK, and beyond.



## Cumulus

This technical specification is subject to change without notice. The device is available in 2 versions:

Cumulus Dual

Cumulus Dual CAT6

|                             |  |
|-----------------------------|--|
| Wi-Fi module                | MT7620 (2.4)   |
| Wi-Fi protocol              | b,g,n  |
| Wi-Fi theoretical data rate | 300 Mbps   |
| <b>Cumulus Dual</b>         |  |
| Frequency bands LTE-FDD     | B1, B3, B5, B7, B8, B20  |
| Frequency bands LTE-TDD     | B38, B40, B41  |
| Frequency bands WCDMA       | B1, B5, B8   |
| Frequency bands GSM/EDGE    | B3, B8   |
| LTE theoretical data rate   | DN: 150 Mbps, UP: 50 Mbps  |
| <b>Cumulus Dual CAT6</b>    |  |
| Frequency bands LTE-FDD     | B1,B3,B5,B7, B8, B20, B28, B32   |
| Frequency bands LTE-TDD     | B38, B40, B41  |
| Frequency bands WCDMA       | B1, B3, B5, B8   |
| LTE theoretical data rate   | DN: 300 Mbps, UP: 50 Mbps  |
| 2 x CA                      | B1+B1/B5/B8/B20/B28; B3+B3/B5/B7/B8/B20/B28; B7+B5/B7/B8/B20/B28; B20+B32; B38+B38; B40+B40; B41+B41 |

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