



**H A R D W A R E   C W Y - M 5 . 4 - E 1 C 2 W 1 B   .   E A N   7 0 9 0 0 4 9 1 5 0 8 0 7**

|                           |                                                                    |
|---------------------------|--------------------------------------------------------------------|
| Processor                 | Elkhart Lake / Series X6000e / Intel Pentium and Intel Celeron     |
| Onboard storage           | 256 GB maximum                                                     |
| Onboard RAM               | 8 GB maximum                                                       |
| Dimensions w x d x h      | 151.7 mm x 108.7 mm x 16.95 mm                                     |
| Weight                    | Dual modem 375 g<br>Single modem 365 g                             |
| Operating temperature     | 5 °C to 35 °C                                                      |
| Humidity                  | 5 % to 85 %                                                        |
| Power supply              | USB-C                                                              |
| Integrated cellular       | Up to 2 x 5G, depending on model, X65 Release 16                   |
| Modem model               | Telit FN990                                                        |
| SIM card slot             | Up to 2 x dual nano SIM, depending on model                        |
| eSIM support              | eUICC with 2FF/3FF/4FF                                             |
| Ethernet (WAN and/or LAN) | 1 x 10/100/1000/2500 Mbps USB-C                                    |
| Wi-Fi (WAN and/or LAN)    | WiFi 6E 2.5 GHz + 5 GHz + 6 GHz DBS                                |
| USB connection            | 1 x USB-C Power-in<br>1 x USB-C Client-in<br>1 x USB-C Ethernet-in |
| Battery adapter           | Standard: 47 Wh, approx. 6-hour operating time                     |

**O P T I O N A L   A D D - O N S**

|                              |                                     |
|------------------------------|-------------------------------------|
| Antenna adapter for cellular | 4 x SMA female via external adapter |
|------------------------------|-------------------------------------|

## P E R F O R M A N C E

|                            |                                         |
|----------------------------|-----------------------------------------|
| Theoretical DL Rate        | 5.1 Gbps + 5.1 Gbps, depending on model |
| Theoretical UL Rate        | 900 Mbps + 900 Mbps, depending on model |
| LTE category               | DL CAT 20 / UL CAT 18                   |
| LTE maximum DL/UL speed    | 2 Gbps/211 Mbps                         |
| Phantom VPN encryption     | TBD                                     |
| IPSec VPN encryption       | TBD                                     |
| WiFi Theoretical Data Rate | 3 Gbps                                  |
| WiFi Protocol              | a/b/g/n/ac/ax                           |
| WiFi Frequency             | 2.4 GHz/5 GHz/6 GHz                     |

## S U P P O R T E D   B A N D S

|                                |                                                                                                                                                                     |
|--------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 5G FR1 (NSA)                   | n1/n2/n3/n5/n7/n8/n20/n25/n28/n30/n38/<br>n40/n41/n48/n66/n71/n75/n77/n78/n79<br>NSA default off: n12/n13/n14/<br>n18/n26/n29/n48/n75/n76                           |
| 5G FR1 (SA)                    | n1/n2/n3/n5/n7/n8/n20/n25/n28/n30/n38/<br>n40/n41/n48/n66/n71/n75/n77/n78/n79<br>SA default off: n12/n13/n14/n18/<br>n26/n29/n48/n75/n76                            |
| 5G F1 NR subcarrier spacing    | 15 kHz (FDD), 30 kHz (TDD)                                                                                                                                          |
| 5G FR1 Max QAM order supported | 256 QAM DL/UL                                                                                                                                                       |
| LTE                            | B1/B2(B25), B3/B4(B66), B26(B5, B18,<br>B19), B7/B8/B12(B17), B13/B14/B20/B28/<br>B29(DL), B30/32(DL), B34/B38/B39/B40/B41/<br>B42/B43/B46(LAA), B48(CBRS), B66/B71 |
| WCDMA                          | B1/B2/B4/B5(B6, B19)<br>B8 for EU and APAC regions only                                                                                                             |
| 4 x 4 MIMO DL                  | 5G FR1: n1/n2/n3/n7/n25/n30/n38/n40/<br>n41/n48/n66/n75/n77/n78/n79<br>4G: B1/B2/B3/B4/B7/B25/B30/B38/<br>B39/B40/B41/B42/B43/B48/B66                               |
| 2 x 2 MIMO UL                  | 5G FR1: n38/n41/n48/n77/n78/n79                                                                                                                                     |

## C A R R I E R   A G G R E G A T I O N

|                           |                                                                         |
|---------------------------|-------------------------------------------------------------------------|
| FN990A40 CA specification | <a href="https://tinyurl.com/25vtj2hf">https://tinyurl.com/25vtj2hf</a> |
|---------------------------|-------------------------------------------------------------------------|

Powered by CelerwayOS,  
our portfolio of solutions is  
ideal for large deployments  
in a multitude of use cases.

## celerwayOS

Our lightweight and robust router software is 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 Adaptive 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.

Founded in Oslo, Norway, Celerway masters the complexity at the Edge, empowering our partners and customers to create and deliver the right Edge products and services at the right time, with the best available connectivity, security, extensibility, and manageability.

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.

Celerway takes pride in the quality and security of its offerings. The company has been awarded 4 certifications by the International Organization for Standardization: ISO 9001, ISO 14001, ISO 45001, and ISO 27001, with more pending.

