Pileus

Pileus is a mid-range device* that enables up to 6 WAN connections (2 cellular).

Choose Pileus for connecting remote workers and branch offices using standard office applications.

Maximum load balancing capacity	990 Mbps
Phantom VPN encryption	470 Mbps
IP Sec VPN encryption	350 Mbps
Maximum number of simultaneous WANs	5
Dimensions w x h x d	210mm x 180mm x 35mm
Weight	0.5kg
Operating temperature	-10°C to 50°C
Humidity	5% to 95%
Power supply	Barrel, 12V, 2A
Integrated cellular	2 x LTE
Ethernet (WAN and/or LAN)	3 x 10/100/1000 Mbps RJ-45
Wi-Fi (WAN and/or LAN)	5GHz/2.4GHz dual-band
USB	2 x USB 2.0
Mini-PCIe	2
SIM card slot	2 x full size
Antenna connectors LTE	4 x SMA female
Wi-Fi	2 x RP-SMA female
GPS	1 x SMA female

* Rackmount editions available.

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:

Dynamic VPN load balancing

Seamless switching between multiple networks

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

Ultra-flexible network topologies

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

nimbus

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

User-friendly dashboard and comprehensive live reporting

Powerful features for mass deployment

Secure access with 2-factor authentication

Flexible notification and alerts system

Timely and worry-free firmware updates

celerway

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.

Pileus

This technical specification is subject to change without notice. The device is available in 3 versions:

Pileus

Pileus RACKMOUNT

Pileus x 2 RACKMOUNT

	Pileus, Pileus RACKMOUNT: 2 x LTE
Wi-Fi module	Compex WLE600 (2.4 or 5)
Wi-Fi protocol	a,b,g,n,ac
Wi-Fi theoretical data rate	867 Mbps
Frequency bands LTE-FDD	(2 x) B1, B25(B2), B3, B66(B4), B26(B5), B7, B8, B12(17), B13, B20, B28, B29, B30(Rx only)
Frequency bands LTE-TDD	(2 x) B38, B40, B41
Frequency bands WCDMA	(2 x) B1, B2, B4, B5, B8
LTE theoretical data rate	DN: 2 x 600 Mbps, UP: 2 x 75 Mbps
2 x CA	1A+3A, 1A+5A,1A+7A, 1A+8A, 1A+20A, 1A+28A, 3A+3A, 3A+5A, 3A+7A, 3A+8A, 3A+20A, 3A+28A, 5A+7A, 5A+40A, 7A+7A, 7A+8A, 7A+20A, 7A+28A, 28A+40A, 40A+40A, 3C, 5B, 7B, 7C, 38C, 40C + 1A+3A, 1A+5A,1A+7A, 1A+8A, 1A+20A, 1A+28A, 3A+3A, 3A+5A, 3A+7A, 3A+8A, 3A+20A, 3A+28A, 5A+7A, 5A+40A, 7A+7A, 7A+8A, 7A+20A, 7A+28A, 28A+40A, 40A+40A, 3C, 5B, 7B, 7C, 38C, 40C
3 x CA	1A+3A+5A, 1A+3A+8A, 1A+3A+20A, 1A+3A+28A, 1A+5A+7A, 1A+7A+20A, 1A+7A+28A, 3A+3A+8A, 3A+7A+8A, 3A+7A+20A,3A+7A+28A, 1A+3C, 3A+7B, 3A+7C, 3C+5A, 3C+7A, 3C+20A, 5A+40C, 7B+28A, 7C+28A, 28A+40C, 40D + 1A+3A+5A, 1A+3A+8A, 1A+3A+20A, 1A+3A+28A, 1A+5A+7A, 1A+7A+20A, 1A+7A+28A, 3A+3A+8A, 3A+7A+8A, 3A+7A+20A,3A+7A+28A, 1A+3C, 3A+7B, 3A+7C, 3C+5A, 3C+7A, 3C+20A, 5A+40C, 7B+28A, 7C+28A, 28A+40C, 40D

	Pileus x 2 RACKMOUNT: 4 x LTE
Wi-Fi module	2 x Compex WLE600 (2.4 or 5)
Wi-Fi protocol	2 x a,b,g,n,ac
Wi-Fi theoretical data rate	2 x 867 Mbps
Frequency bands LTE-FDD	(4 x) B1, B25(B2), B3, B66(B4), B26(B5), B7, B8, B12(17), B13, B20, B28, B29, B30(Rx only)
Frequency bands LTE-TDD	(4 x) B38, B40, B41
Frequency bands WCDMA	(4 x) B1, B2, B4, B5, B8
LTE theoretical data rate	DN: 4 x 600 Mbps, UP: 4 x 75 Mbps
2 x CA	1A+3A, 1A+5A,1A+7A, 1A+8A, 1A+20A, 1A+28A, 3A+3A, 3A+5A, 3A+7A, 3A+8A, 3A+20A, 3A+28A, 5A+7A, 5A+40A, 7A+7A, 7A+8A, 7A+20A, 7A+28A, 28A+40A, 40A+40A, 3C, 5B, 7B, 7C, 38C, 40C + 1A+3A, 1A+5A,1A+7A, 1A+8A, 1A+20A, 1A+28A, 3A+3A, 3A+5A, 3A+7A, 3A+8A, 3A+20A, 3A+28A, 5A+7A, 5A+40A, 7A+7A, 7A+8A, 7A+20A, 7A+28A, 28A+40A, 40A+40A, 3C, 5B, 7B, 7C, 38C, 40C + 1A+3A, 1A+5A,1A+7A, 1A+8A, 1A+20A, 1A+28A, 3A+3A, 3A+5A, 3A+7A, 3A+8A, 3A+20A, 3A+28A, 5A+7A, 5A+40A, 7A+7A, 7A+8A, 7A+20A, 7A+28A, 28A+40A, 40A+40A, 3C, 5B, 7B, 7C, 38C, 40C + 1A+3A, 1A+5A,1A+7A, 1A+8A, 1A+20A, 1A+28A, 3A+3A, 3A+5A, 3A+7A, 3A+8A, 3A+20A, 3A+28A, 5A+7A, 5A+40A, 7A+7A, 7A+8A, 7A+20A, 7A+28A, 28A+40A, 40A+40A, 3C, 5B, 7B, 7C, 38C, 40C
3 x CA	1A+3A+5A, 1A+3A+8A, 1A+3A+20A, 1A+3A+28A, 1A+5A+7A, 1A+7A+20A, 1A+7A+28A, 3A+3A+8A, 3A+7A+8A, 3A+7A+20A,3A+7A+28A, 1A+3C, 3A+7B, 3A+7C, 3C+5A, 3C+7A, 3C+20A, 5A+40C, 7B+28A, 7C+28A, 28A+40C, 40D + 1A+3A+5A, 1A+3A+8A, 1A+3A+20A, 1A+3A+28A, 1A+5A+7A, 1A+7A+20A, 1A+7A+28A, 3A+3A+8A, 3A+7A+8A, 3A+7A+20A,3A+7A+28A, 1A+3C, 3A+7B, 3A+7C, 3C+5A, 3C+7A, 3C+20A, 5A+40C, 7B+28A, 7C+28A, 28A+40C, 40D + 1A+3A+5A, 1A+3A+8A, 1A+3A+20A, 1A+3A+28A, 1A+5A+7A, 1A+7A+20A, 1A+7A+28A, 3A+3A+8A, 3A+7A+8A, 3A+7A+20A,3A+7A+28A, 1A+3C, 3A+7B, 3A+7C, 3C+5A, 3C+7A, 3C+20A, 5A+40C, 7B+28A, 7C+28A, 28A+40C, 40D + 1A+3A+5A, 1A+3A+8A, 1A+3A+20A, 1A+3A+28A, 1A+5A+7A, 1A+7A+20A, 1A+7A+28A, 3A+3A+8A, 3A+7A+8A, 3A+7A+20A,3A+7A+28A, 1A+3C, 3A+7B, 3A+7C, 3C+5A, 3C+7A, 3C+20A, 5A+40C, 7B+28A, 7C+28A, 28A+40C, 40D