PRODUCT SPECIFICATION

STRATUS-01/02

This specification is for preview purposes only and is subject to change without notice. The device will be available in 2 versions:

Model 1: single modem, 2 WiFi radios

Model 2: double modem, 3 WiFi radios

Maximum load balancing capacity	950 Mbps
Phantom VPN encryption	180 Mbps
IPSec VPN encryption	60 Mbps
Maximum number of simultaneous WANs	8
Dimensions w x h x d	210mm x 43mm x145mm
Weight	1.05 kg
Operating temperature	Approximately -10°C to 50°C
Humidity	5% to 85%
Power supply	9-36V DC
Ethernet (WAN and/or LAN)	5 x 10/100/1000 Mbps RJ-45
PoE .at IN/OUT	WAN/LAN configurable (1 x IN, 2 x OUT)
USB	1 x USB 3.0
GPS	1 x SMA female
(Model 1) Integrated cellular	1 x CAT12
(Model 1) SIM card slot	2 x full size (dual SIM for each modem)
(Model 1) Wi-Fi (WAN and/or LAN)	2.4GHz + 5GHz simultaneous dual-band
(Model 1) LTE antenna	2 x SMA female
(Model 1) WiFi antenna	2 x RP-SMA female
(Model 2) Integrated cellular	2 x CAT12
(Model 2) SIM card slot	4 x full size (dual SIM for each modem)
(Model 2) Wi-Fi (WAN and/or LAN)	2.4GHz + 5GHz simultaneous dual-band + 2..4/5GHz WiFi
(Model 2) LTE antenna	4 x SMA female
(Model 2) WiFi antenna	5 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:

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

BAĞLAN

Authorized Distributor

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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.

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Frequency bands LTE-FDD	B1/B2/B3/B4/B5/B7/B8/B9/B12/B13/B14/B17/B18/B19/B20/B21/B25/B26/B28/B29/B30/B32/B66
Frequency bands LTE-TDD	B38/39/B40/B41
	STRATUS-01 (1 x CAT12)
WiFi module	MT7603 (2.4) + MT7612 (5) simultaneous
WiFi protocol	b,g,n + a,b,g,n,ac
WiFi theoretical data rate	300Mbps + 867Mbps
LTE theoretical data rate	DN: 600 Mbps, UP:150 Mbps
2 x CA	B1+3/5/18/19/20/26; B2+2/4/5/12/13/17/29/30/66; B3+3/5/7/8/19/20/28; B4+4 (CA_4C only)/5/12/13/17/29/30; B5+7/25/30/66; B7+7/20/28; B12+25;B12+30; B13+66; B19+21; B20+B32; B25+25,B25+26,B25+41; B29+30; B38+38 (CA_38C only); B39+39 (CA_39C only); B39+39; B39+41, B40+40 (CA_40C only); B41+41; B66+66 (CA_66C only)/12/29/30; B2+B14; B14+B30; B14+B66;
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

	STRATUS-O2 (2 x CAT12)
WiFi module	MT7603 (2.4) + MT7612 (5) + Compex WLE900 (2.4/5) simultaneous
WiFi protocol	b,g,n + a,b,g,n,ac + a,b,g,n,ac
WiFi theoretical data rate	300Mbps + 867Mbps + 1.3Gbps
LTE theoretical data rate	DN: 2 x 600 Mbps, UP: 2 x 150Mbps
2 x CA	B1+3/5/18/19/20/26; B2+2/4/5/12/13/17/29/30/66; B3+3/5/7/8/19/20/28; B4+4 (CA_4C only)/5/12/13/17/29/30; B5+7/25/30/66; B7+7/20/28; B12+25;B12+30; B13+66; B19+21; B20+B32; B25+25,B25+26,B25+41; B29+30; B38+38 (CA_38C only); B39+39 (CA_39C only); B39+39; B39+41, B40+40 (CA_40C only); B41+41; B66+66 (CA_66C only)/12/29/30; B2+B14; B14+B30; B14+B66; + B1+3/5/18/19/20/26; B2+2/4/5/12/13/17/29/30/66; B3+3/5/7/8/19/20/28; B4+4 (CA_4C only)/5/12/13/17/29/30; B5+7/25/30/66; B7+7/20/28; B12+25;B12+30; B13+66; B19+21; B20+B32; B25+25,B25+26,B25+41; B29+30; B38+38 (CA_38C only); B39+39 (CA_39C only); B39+39; B39+41, B40+40 (CA_40C only); B41+41; B66+66 (CA_66C only)/12/29/30; B2+B14; B14+B30; B14+B66;
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