

STRATUS 5GR16

Your first choice for
uninterrupted connectivity



HARDWARE

Maximum load balancing capacity	1 Gbps
Phantom VPN encryption	600 Mbps
IPSec VPN encryption	280 Mbps
Maximum number of simultaneous WANs	8
IP Rating	IP21
Dimensions w x h x d	210mm x 43mm x 145mm
Weight	1.08 kg
Operating temperature	-25°C to 60°C
Humidity	0% to 95%
Power supply	9-36V DC
Power consumption	Standard usage 36W (2 x POE 802.at 96W)
PoE .at IN/OUT	WAN/LAN configurable (1 x IN, 2 x OUT)
Integrated cellular	1 x or 2 x 4G/5G, depending on model
Modem model	Quectel RM520-NG
SIM card slot	2 x or 4 x full size dual SIM each modem, depending on model
eSIM support	eUICC with 2FF/3FF/4FF
Ethernet (WAN and/or LAN)	5 x 10/100/1000 Mbps RJ-45
Wi-Fi (WAN and/or LAN)	2.4GHz + 5GHz simultaneous dual-band or 2.4GHz + 5GHz simultaneous dual-band + 2.4/5GHz WiFi, depending on model
Bluetooth 5.0	Realtek RTL8761B
USB	1 x USB3.0
M.2	1 x or 2 x, depending on model

ANTENNAS		
	LTE antenna	4 x or 8 x SMA female, depending on model
	WiFi antenna	2 x RP-SMA female
	GPS antenna	1 x SMA female
	Antenna frequencies	C1-0 / C2-0: 1400 -5000 MHz C1-1 / C2-1: 600 – 6000 MHz C1-2 / C2-2: 600 – 5000 MHz C1-3 / C2-3: 1400 – 6000 MHz
RATING & TESTS		
	Rating	E-Mark
	Norway 5G NSA tests	Single modem DN: 805 Mbps, UP: 161 Mbps

STRATUS 5GR16 SINGLE

CWY-M5.3-E5C1W2R16 . EAN 7090049150913

Region	Global
Dual SIM	Yes
THEORETICAL MAXIMUM RATES	
5G NR SA	900 Mbps (UL) 2400 Mbps(DL)
5G NR NSA	550 Mbps (UL) 3400 Mbps (DL)
LTE Up	200 Mbps (UL) 1600 Mbps (DL)
HSUPA Up	5.76 Mbps (UL) 42 Mbps(DL)
SUPPORTED BANDS	
5G NR	3GPP Release 16 NSA/SA operation modes on all 5G bands
5G NSA bands	EU: n1/n3/n5/n7/n8/n20/n28/n38/n40/n41/n71/n75/n76/n77/n78 Global: n1/n2/n3/n5/n7/n8/n12/n13/n14/n18/n20/n25/n26/n28/n29/n30/n38/n40/n41/n48/n66/n70/n71/n75/n76/n77/n78/n79
5G SA bands	EU: n1/n3/n5/n7/n8/n20/n28/n38/n40/n41/n71/n75/n76/n77/n78 Global: n1/n2/n3/n5/n7/n8/n12/n13/n14/n18/n20/n25/n26/n28/n29/n30/n38/n40/n41/n48/n66/n70/n71/n75/n76/n77/n78/n79
5G DL 4 x 4 MIMO	EU: n1/n3/n7/n38/n40/n41/n77/n78 Global: n1/n2/n3/n7/n25/n30/n38/n40/n41/n48/n66/n70/n77/n78/n79
5G UL 2 x 2 MIMO	EU: n38/n40/n41/n77/n78 Global: n38/n41/n48/n77/n78/n79
LTE category	DL CAT 19 / UL CAT 18
LTE-FDD	EU: B1/B3/B5/B7/B8/B20/B28/B32/B71 Global: B1/B2/B3/B4/B5/B7/B8/B12/B13/B14/B17/B18/B19/B20/B25/B26/B28/B29/B30/B32/B66/B71
LTE-TDD	EU: B38/B40/B41/B42/B43 Global: B34/B38/B39/B40/B41/B42/B43/B46(LAA)/B48
WCDMA	EU: B1/B5/B8 Global: B1/B2/B4/B5/B8/B19
LTE DL 4 x 4 MIMO	EU: B1/B3/B7/B38/B40/B41/B42/B43 Global: B1/B2/B3/B4/B7/B25/B30/B38/B40/B41/B42/B43/B48/B66
WiFi Theoretical Data Rate	800Mbps + 1.733Gbps
WiFi Protocol	b/g/n + a/ac/b/g/n

STRATUS 5GR16 DUAL

CWY-M5.3-E5C2W2R16 . EAN 7090049150906

	Region	Global + Global
	Dual SIM	Yes + Yes
THEORETICAL MAXIMUM RATES		
	5G NR SA	900 Mbps (UL) 2400 Mbps(DL) + 900 Mbps (UL) 2400 Mbps(DL)
	5G NR NSA	550 Mbps (UL) 3400 Mbps (DL) + 550 Mbps (UL) 3400 Mbps (DL)
	LTE Up	200 Mbps (UL) 1600 Mbps (DL) + 200 Mbps (UL) 1600 Mbps (DL)
	HSUPA Up	5.76 Mbps (UL) 42 Mbps(DL) + 5.76 Mbps (UL) 42 Mbps(DL)
SUPPORTED BANDS		
	5G NR	3GPP Release 16 NSA/SA operation modes on all 5G bands + 3GPP Release 16 NSA/SA operation modes on all 5G bands
	5G NSA bands	EU: n1/n3/n5/n7/n8/n20/n28/n38/n40/n41/n71/n75/n76/n77/n78 + n1/n3/n5/n7/n8/n20/n28/n38/n40/n41/n71/n75/n76/n77/n78 Global: n1/n2/n3/n5/n7/n8/n12/n13/n14/n18/n20/n25/n26/n28/n29/n30/n38/n40/n41/n48/n66/n70/n71/n75/n76/n77/n78/n79 + n1/n2/n3/n5/n7/n8/n12/n13/n14/n18/n20/n25/n26/n28/n29/n30/n38/n40/n41/n48/n66/n70/n71/n75/n76/n77/n78/n79
	5G SA bands	EU: n1/n3/n5/n7/n8/n20/n28/n38/n40/n41/n71/n75/n76/n77/n78 + n1/n3/n5/n7/n8/n20/n28/n38/n40/n41/n71/n75/n76/n77/n78 Global: n1/n2/n3/n5/n7/n8/n12/n13/n14/n18/n20/n25/n26/n28/n29/n30/n38/n40/n41/n48/n66/n70/n71/n75/n76/n77/n78/n79 + n1/n2/n3/n5/n7/n8/n12/n13/n14/n18/n20/n25/n26/n28/n29/n30/n38/n40/n41/n48/n66/n70/n71/n75/n76/n77/n78/n79

STRATUS 5GR16 DUAL

CWY-M5.3-E5C2W2R16 / EAN 7090049150906

5G DL 4 x 4 MIMO	EU: n1/n3/n7/n38/n40/n41/n77/n78 + n1/n3/n7/n38/n40/n41/n77/n78 Global: n1/n2/n3/n7/n25/n30/n38/n40/ n41/n48/n66/n70/n77/n78/n79 + n1/n2/n3/n7/n25/n30/n38/n40/n41/ n48/n66/n70/n77/n78/n79
5G UL 2 x 2 MIMO	EU: n38/n40/n41/n77/n78 + n38/n40/n41/n77/n78 Global: n38/n41/n48/n77/n78/n79 + n38/n41/n48/n77/n78/n79
LTE category	DL CAT 19 / UL CAT 18 + DL CAT 19 / UL CAT 18
LTE-FDD	EU: B1/B3/B5/B7/B8/B20/B28/B32/B71 + B1/B3/B5/B7/B8/B20/B28/B32/B71 Global: B1/B2/B3/B4/B5/B7/B8/B12/B13/B14/B17/ B18/B19/B20/B25/B26/B28/B29/B30/B32/B66/B71 + B1/B2/B3/B4/B5/B7/B8/B12/B13/B14/B17/B18/ B19/B20/B25/B26/B28/B29/B30/B32/B66/B71
LTE-TDD	EU: B38/B40/B41/B42/B43 + B38/B40/B41/B42/B43 Global: B34/B38/B39/B40/B41/B42/B43/B46(LAA)/B48 + B34/B38/B39/B40/B41/B42/B43/B46(LAA)/B48
WCDMA	EU: B1/B5/B8 + B1/B5/B8 Global: B1/B2/B4/B5/B8/B19 + B1/B2/B4/B5/B8/B19
LTE DL 4 x 4 MIMO	EU: B1/B3/B7/B38/B40/B41/B42/B43 + B1/B3/B7/B38/B40/B41/B42/B43 Global: B1/B2/B3/B4/B7/B25/B30/ B38/B40/B41/B42/B43/B48/B66 + B1/B2/B3/B4/B7/B25/B30/B38/ B40/B41/B42/B43/B48/B66
WiFi Theoretical Data Rate	800Mbps + 1.733Gbps
WiFi Protocol	b/g/n + a/ac/b/g/n

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:

Dynamic Adaptive 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

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.

