ARCUS

The power of choice

HARDWARE

Maximum load balancing capacity	1 Gbps
Phantom VPN encryption	1 Gbps
IPSec VPN encryption	1 Gbps
Maximum number of simultaneous WANs	7
Dimensions w x h x d	200 mm x 55 mm x 280 mm
Weight	2.20 kg
Operating temperature	Approximately -20°C to 70°C
Humidity	5% to 95%
Power supply	3-pin terminal block (+,-,ignition), +9~36VDC ATX mode support ignition delay on/off control
Power consumption	10-45W depending on use
Ethernet (WAN and/or LAN)	3 x M12 X-coded GBE
PoE .at IN/OUT	M12 X-coded PoE 802.3af OUT
USB	2 x USB 2.0
GPS	1 x SMA female
Integrated cellular	3 x cellular (5G/4G/3G/2G)
SIM card slot	6 x nano
eSIM support	EM12, RM500, RM502, RM505 support eUICC with 4FF
WiFi (WAN and/or LAN)	5GHz/2.4GHz dual-band (optional)
LTE antenna	10 x SMA female
WiFi antenna	3 x RP-SMA female
Rating	MIL-STD-810G vibration/shock resistance & E-Mark

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3YP-CWY-M6.3-E3L3W1 / EAN 7090049150517

Region	Global
THEORETICAL UPLOAD RATES	TBA
THEORETICAL DOWNLOAD RATES	TBA

ARCUS accepts up to 2 x M.2 + 1 Mini-PCIe + 1 Wireless Adapter. Available components for each slot are as follows:

M.2 Slot 1	Quectel EM12-G CAT 12 or Quectel RM500Q-GL 5G or Quectel RM505Q-AE 5G
M.2 Slot 2	Quectel EM12-G CAT 12 or Quectel RM500Q-GL 5G or Quectel RM505Q-AE 5G
Mini-PCIe	Quectel EG25G or Telit LM940 CAT11
Wireless Adaptor	Complex WLE600 or Complex WLE900

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Components Specification

Mini-PCIe	Quectel EG25-G
Region/Operator	Global
LTE-FDD	B1/B2/B3/B4/B5/B7/B8/B12/B13/B18/B19/B20/25 B26/B28
LTE-TDD	B38/B39/B40/B41
WCDMA	B1/B2/B4/B5/B6/B8/B19
GSM/EDGE	B2/B3/B5/B8

M.2	Quectel EM12-G
Region/Operator	Global
UL 2CA	B3+B3; B41+B41
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
LTE-TDD	B38/39/B40/B41
WCDMA	B1/B2/B3/B4/B5/B8/B19
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); B40+B40; B41+B41; B66+B66;
3 x CA	DL interband 3CA: B1+3+5+/7/8/19/20/28; B1+7+20; B2+4+5; B2+4+13; B2+5+30; B2+12+30; B2+29+30; B3+7+20; B3+7+28; B3+7+8; B4+5+30; B4+12+30; B4+29+30; B5+66+2; B13+66+2; B66+12+30; B66+29+30; B66+5+30; B2+B14+B66; DL2 intraband plus interband 3CA: B2+2+5; B2+2+13; B3+3+7; B3+7+7; B3+3+20; B3+3+28; B3+3+1; B4+4+5; B4+4+13; B7+7+28; B5+66+66; B13+66+66; B66+66+2; B39+B39+B41; B39+B41+B41; B14+B66+B66; DL3 intraband 3CA: B40+40+40; B41+41+41; B66+66+66;

Mini-PCIe	Telit LM940
Region/Operator	Global
LTE-FDD	B1/B25(B2)/B3/B66(B4)/B26(B5)/B7/B8/B12(17)/B13/B20/B28/B29/B30(Rxonly)
LTE-TDD	B38/B40/B41
WCDMA	B1/B2/B4/B5/B8
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
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

M.2	RM500Q-GL
5G NR	3GPP Release 15 NSA/SA operation, Sub-6 GHz
5G NSA Bands	n41/n77/n78/n79
5G SA Bands	n1/n2/n3/n5/n7/n8/n12/n20/n25/n28/n38/n40/n41/n48/n66/n71/n77/n78/n79
5G DL 4 x 4 MIMO	n1/n2/n3/n7/n25/n38/n40/n48/n66/n77/n78/n79
5G UL 2 x 2 MIMO	n41/n77/n78/n79
LTE Category	DL CAT 16 / UL CAT 18
DL 4 x 4 MIMO	B1/B2/B3/B4/B7/B25/B30/B32/B34/B38/B40/B41/B42/B43/B48/B66
LTE-FDD	B1/B2/B3/B4/B5/B7/B8/B9/B12/B13/B14/B17/B18/B19/B20/B25/B26/B28/B29/B30/B32/B66/B71
LTE-TDD	B34/B38/39/B40/B41/B42/B43/B48
WCDMA	B1/B2/B3/B4/B5/B6/B8/B19

M.2   RM505Q-AE

Region/Operator	Global
5G NR	3GPP Release 15 NSA/SA operation, Sub-6 GHz
5G NSA Bands	n1/n2/n3/n5/n7/n8/n12/n20/n25/n28/n38/n40/n41/n48/n66/n71/n77/n78/n79
5G SA Bands	n1/n2/n3/n7/n8/n12/n20/n25/n28/n38/n40/n41/n48/n66/n71/n77/n78/n79
5G DL 4 x 4 MIMO	n1/n2/n3/n7/n25/n38/n40/n41/n48/n66/n77/n78/n79
5G UL 2 x 2 MIMO	n41
LTE Category	DL CAT 16 / UL CAT 18
DL 4 x 4 MIMO	B1/B2/B3/B4/B7/B25/B30/B38/B39/B40/B41/B42/B43/B48/B66
LAA	B46
LTE-FDD	B1/B2/B3/B4/B5/B7/B8/B9/B12/B13/B14/B17/B18/B19/B20/B25/B26/B28/B29/B30/B32/B66/B71
LTE-TDD	B34/B38/39/B40/B41/B42/B43/B48
WCDMA	B1/B2/B3/B4/B5/B6/B8/B19

WIRELESS ADAPTOR   Compex WLE600

Theoretical Data Rate	867 Mbps
Frequency	2.4GHz,5GHz
Protocol	a,ac,b,g,n

WIRELESS ADAPTOR   Compex WLE900

Theoretical Data Rate	1.3 Gbps
Frequency	2.4GHz,5GHz
Protocol	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.

kiwa
certified

ISO 9001
ISO 14001
ISO 45001
ISO 27001

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