

edge/ascent

5G Cellular Modem

Ultra Fast Throughput, Worldwide

5G + 4G/LTE, MIMO Carrier Aggregation
Supports high bandwidth C-Band
USB-C powered, compact



Dual SIM, USB-C for data and power



Kognitive EdgeOS integration for advanced connection control and bandwidth bonding



5G connectivity with 4G/LTE fallback for use in dense urban areas or remote rural locations



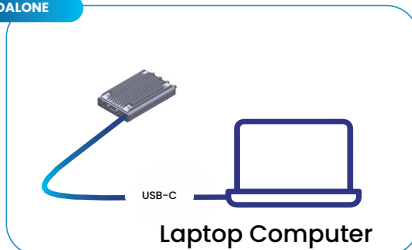
Standalone connectivity USB 3.2 – compatible with Linux, Android, and Windows 10/11



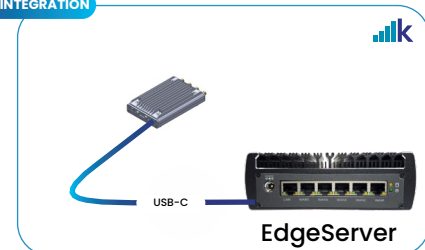
4x4 MIMO – External Antennas (SMA) Required

5G NR SA	NR Bands	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
	DL 4 × 4 MIMO	n1/n2/n3/n7/n25/n30/n38/n40/n41/n48/n66/n70/n77/n78/n79
	UL 2 × 2 MIMO	n38/n41/n48/n77/n78/n79
5G NR NSA	NR Bands	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
	DL 4 × 4 MIMO	n1/n2/n3/n7/n25/n30/n66/n38/n40/n41/n48/n70/n77/n78/n79
	UL 2 × 2 MIMO	n38/n41/n48/n77/n78/n79
LTE	FDD Bands	B1/B2/B3/B4/B5/B7/B8/B12/B13/B14/B17/B18/B19/B20/B25/B26/B28/B29/ B30/B32/B66/B71
	TDD Bands	B34/B38/B39/B40/B41/B42/B43/B46(LAA)/B48
	DL 4x4 MIMO	B1/B2/B3/B4/B7/B25/B30/B38/B40/B41/B42/B43/B48/B66
WCDMA	Bands	B1/B2/B4/B5/B8/B19
GNSS	RX Bands	GPS/GLONASS/BDS/Galileo/QZSS

STANDALONE



EdgeOS INTEGRATION





Ascent Modem - Back View



Ascent Modem - Front View

Cellular WAN Interface	5G SA / NSA, 4G LTE -- 4x4 MIMO
SIM Slots	2x nano SIM
Throughput	Peak DL/UL Mbps: 5G NSA 3400/550, 5G SA 2400/900, LTE 1600/200 CAT-19/CAT-18
Connectors	4x SMA-F Cellular, 2-pin Molex External Power, USB Type C
Power & Data	USB3.2, backwards compatible with USB2.1 [Opt. Ext. Power: +9 VDC to +24 VDC]
Power Consumption	5W nominal, 8W max
Physical	113.4mm x 67.3mm x 27 mm / 4.5" x 2.75" x 1.1" - 0.45 lbs / 200g
Environmental	Op temp: -10 to +70 C; Humidity up to 95%, non-condensing
Certifications	CE, FCC, RoHS, PTCRB
US Carrier Certifications	T-Mobile Verizon*, ATT* *Certifications pending
Warranty	1 year limited