

Case Specifications	MNK Lite	MNK Pro
Weatherproofing	IP64	IP64
Exterior Dimensions	16.5" x 13" x 6.75"	16.5" x 13" x 6.75"
Material	Polypropylene	Polypropylene

Device Specifications	MNK Lite	MNK Pro
Model	BR1 Mini 5G with WiFi	BR1 Pro 5G
Firewall Throughput	300 Mbps	1 Gbps
WAN Connectivity	1x GbE (WAN/LAN switchable)	1x 2.5 GbE WAN
LAN Connectivity	2x GbE	2x GbE (up to 3x with config)
Cloud Management	InControl2, InTouch	InControl2, InTouch
USB Ports	Not available	Not available
Serial Ports	Not available	Not available
Network Operator standards	5G SA/NSA, LTE Cat 20	5G SA/NSA, LTE Cat 20
Regions	North America *Carrier Certified* , Global	North America *Carrier Certified* , Global
VPN Tunnel Count	2 (up to 5 with license)	2 (up to 5 with license)
Wi-Fi	Wi-Fi 5	Wi-Fi 6
PoE	802.3at PoE input (on LAN 1)	No PoE but includes PoE Splitter
Operating Temperature	-40°F to +149°F (-40 to 65°C)	-40°F to +149°F (-40 to 65°C)
Typical Client Count	Up to 60	Up to 150
Safety Certifications	FCC, CE, RoHS, EN 61000, EN 45545-2	FCC, CE, RoHS, EN 61000, EN 61373, EN 50155
Material Certifications	RoHS compliant	RoHS compliant

Antenna Specifications	MNK Lite	MNK Pro
Antenna Type	Multi-MIMO	Multi-MIMO
Leads	4x Cellular, 2x Wi-Fi, 1xGPS	4x Cellular, 2x Wi-Fi, 1xGPS
Technology	GPS; 4G/5G; 5G; 2G/3G; 2G/3G/4G; Band 71 600MHz ready; FirstNet; GNSS; WIFI MIMO; WIFI	GPS; 4G/5G; 5G; 2G/3G; 2G/3G/4G; Band 71 600MHz ready; FirstNet; GNSS; WIFI MIMO; WIFI
Wi-Fi Frequency Range	2.4GHz - 6GHz	2.4GHz - 6GHz
Typical Efficiency WiFi Elements	>70%	>70%
Isolation 4G 5G Elements	>10dB	>10dB
Correlation Co-Efficient 4G/5G Elements	>12dB	>12dB
Correlation Co-Efficient WiFi Elements	<0.2	<0.2
Nominal Impedance	50 Ohms	50 Ohms

Antenna Specifications - GPS	MNK Lite	MNK Pro
GPS/GNSS Frequency Range	1562-1612MHz	1562-1612MHz
LNA Gain	26dB	26dB
VSWR	<2.0:1 ± 4MHz	<2.0:1 ± 4MHz
Out of Band Rejection	>40dB (@ > +/- 100MHz f)	>40dB (@ > +/- 100MHz f)
Typical Noise Figure	-2.7dB	-2.7dB
Notch Filter Rejection @ 787 Mhz	23dBm	23dBm
Operating Voltage	3-5V DC	3-5V DC
Typical Current (mA)	15mA	15mA

Antenna Specifications - Material Data	MNK Lite	MNK Pro
Antenna Housing	High Impact UV Stable ABS Polymer (Black or White)	High Impact UV Stable ABS Polymer (Black or White)
Antenna Dimensions	(W x H) 7.1" x 3.1"	(W x H) 7.1" x 3.1"
Connector Types	SMA/Reverse Polarity SMA	SMA/Reverse Polarity SMA
Operating Temp	-40° / +80°C (-40° / +176°F)	-40° / +80°C (-40° / +176°F)

Battery Specifications	MNK Lite	MNK Pro
Battery Type	Lithium Ion	Lithium Ion
Output	9V~12.7V (11.1V)	9V~12.7V (11.1V)
Capacity	8.8Ah (98Wh)	8.8Ah (98Wh)
Short-Circuit Protection	Yes	Yes
Over-Current Protection	Yes	Yes
Discharge Protection	Yes	Yes
Uninterruptible	Yes	Yes

Product Specifications	MNK Lite	MNK Pro
PoE	Yes	Optional via Add-On PoE Splitter MAX

Optional Add-Ons	MNK Lite	MNK Pro
Exterior Antenna	Yes	Yes
Customization (MOQ of 5)	Yes	Yes
White Label (MOQ of 5)	Yes	Yes