

HAS USER TERMINAL

TECHNICAL SPECIFICATIONS

GNSS

Satellite Tracked	GPS L1 C/A, L1C, L2C, L2P, L5 Galileo E1, E5 AltBOC, E5a, E5b, E6 <i>E6B tracked with no E6C aid</i>
GNSS board	Novatel OEM7700
Processing board	conga-PA5/i-E3950-8G
Internal Storage	1Tb
Supported formats	Real time streams, ASCII, Binary, RINEX

POSITIONING

Measurement precision	Signal	Code	Carrier
	GPS L1 C/A	4cm	0.5mm
	GPS L2 P(Y)	8cm	1.0mm
	GPS L2C	8 cm	0.5 mm
	GPS L5	3 cm	0.5 mm
	Galileo E1	3 cm	0.5 mm
	Galileo E5a/E5b	3 cm	0.75 mm
	Galileo E5 AltBOC	3 cm	0.75 mm
	Galileo E6	3 cm	0.75 mm

Measurement and Position rate	Up to 100Hz
Modes	Simultaneous OS/HAS

ROBUSTNESS

Interference Detection	Yes
Interference Mitigation	Narrow/wide band interference in/out L-band
Multipath rejection	Yes

ENVIRONMENTAL

Operating Temperature	-40°C to +65°C
Storage temperature	-40°C to +75°C
Vibration	10–200 Hz log sweep 3g (sweep time 30 minutes) 3 axes
Shock	50g vertical, 30g all axes
Humidity	+60° C @ 95% RH
Corrosion	5% salt spray (up to 48h)
Waterproof	IP64



COMMUNICATION

I/O Connectors	USB-C Port, 1Gbps Ethernet RJ45, 1 Gbps TNC Wi-Fi/Bluetooth connector TNC GNSS connector
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Bluetooth	Standard 5
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Wi-Fi/Bluetooth	802.11 b/g/n 2.4GHz /5.1GHz antenna
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User Interface	PC SW HMI
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LED	Power on Battery Internet Solution Status
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NETWORKING

NTRIP	Client mode
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FTP	For data exchange
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POWER SUPPLY

External	PoE adapter USB-C adapter
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Internal battery	Rechargeable lithium battery
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External batteries	3 rechargeable lithium batteries
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Working time	> 24 hours
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PHYSICAL

Height	8cm
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Width	18cm
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Depth	25cm
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Weight	2.15Kg (4.1 with external batteries)
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ACCESSORIES

GNSS Antenna	Novatel VEXXIS GNSS 850
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Cables	5 meter TNC connector USB-C and Ethernet
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Transport Box	Plastic Box
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