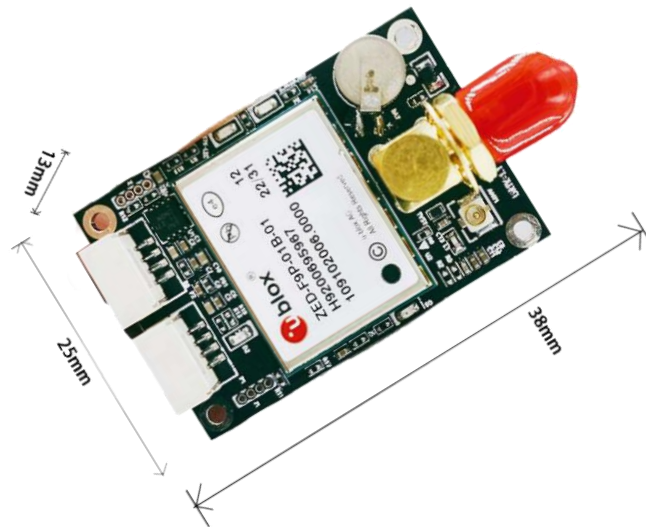


MD-50 Compact GNSS Receiver Module



System Type	Specification	
GNSS Chip Set	u-blox ZED-F9P-01B-01	
GNSS System	GPS	L1 / L2
	GLONASS	G1 / G2
	BDS	B1 / B2
	Galileo	E1 / E5
	QZSS	L1 / L2
Accuracy	RTK Horizontal	0.01 m + 1 ppm CEP
	RTK Vertical	0.01 m + 1 ppm CEP
Convergence Time	RTK	≤ 10 s
Acquisition	Cold start	24 s
	Aided start	2 s
	Reacquisition	2 s
Sensitivity	Track	-167 dBm
	Cold starts	-148 dBm
	Hot starts	-157 dBm
	Reacquisition	-160 dBm
Output Data	Baud Rate	4800 - 921600 bps, default 38400
	Output Level	TTL
	Update Rate	1 - 20 Hz, default 1 Hz
	Flash	4 MB
Environment	Operating	-40 - +85 °C
	Storage	-40 - +125 °C
Physical	Dimension	38 x 25 x 13 mm
	Weight	8 g
	Input Voltage	+3.3 - 5.0 VDC
	Consumption	80 mA / 5 V
	Connector	4 pin socket