

mm118el

RTK GNSS/INS



MM118EL is a high-precision RTK GNSS/INS module. It features a dual-core L1L5 RTK engine, supporting BDS, GPS, Galileo, and QZSS. The module also includes a 6-axis GNS and an IMU for inertial navigation. It is designed for applications requiring high accuracy and reliability, such as smart-surveying and industrial automation. The module is housed in a compact 17x12mm package.

Key Features

- BDS/GPS/Galileo/QZSS
- Beidou-3
- L1L5 RTK
- GNSS/INS
- Smart-Surpress
-
- 17x12mm

Specifications

Supply Voltage		3.0V ~ 3.6V
RF		
Supported Systems	BDS	B1I, B1C, B2A
	GPS / QZSS	L1C / A, L5
	Galileo	E1, E5A
Package		
Package Type	54-pin LGA	
Dimensions	22x17x2.8mm	
I/O		
UART	115200bps	
GNSS		
TTFF	Hot Start	≤ 30s
	Warm Start	≤ 1s
RTK	10m	
PVT	3D	1.5m
	RTK	1.5cm/1ppm

INS	GNSS 1.5
	0.05m/s
	-159dbm
	-146dbm
1pps	50ns
nav	1/2/5/10/25*Hz
nav	NMEA 0183 V4.1
	rtcm3.x



V2X

