



Taiwan Jets Manufacture Co. Ltd.
Non-Red Supply Chain Product Line

TJMC

GPS + ELECTRONIC COMPASS MODULE

Tech. Spec.	
GNSS Bands	L1 C/A (GPS/QZSS 、 GLONASS L1OF 、 Galileo E1-B/C 、 BeiDou B1I/B1C)
Update Rate	Default 1 Hz ; MAX 10 Hz
Position Accuracy	Plane ≤ 1.5 m CEP
TTF	Hot 1 s ; Cold 28 s
Sensitivity	Track/navigate to -167 dBm (including weak signal environments)
Communication Protocol	NMEA 4.11 、 UBX (Binary)
Interface / Pins	UART : TX 、 RX ; I ² C : SCL 、 SDA ; Also with VCC 、 GND (Total 6pin)
Power Supply	3.0–5.5 V DC (Suggested 3.3 V) · Typical 33 mA
Operation Temp.	-40 °C ~ $+80$ °C (Storage -40 °C ~ $+85$ °C)
Antenna/Sensing	Optimized 25×25 mm ceramic antenna; compatible with 3-axis magnetometer

