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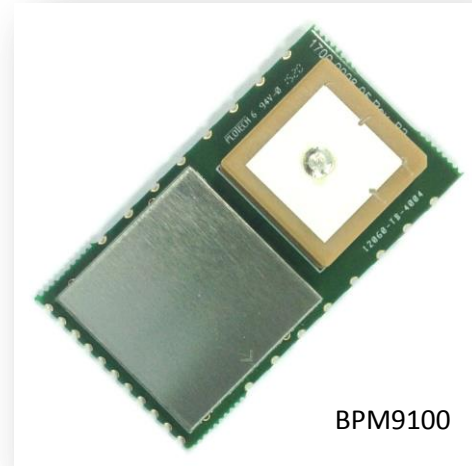
**Embedded GPS Modules (Industrial)****UART/ SPI/ Host I2C Interfaces**

Bluepacket BPM9100 is a complete **host based navigation system** built on a low-power RF CMOS chip, splits processing functions between the GPS chip and the host system.

- High-sensitivity GPS Engine
- For Mobile, Cameras, GPS applications

**Applications:**

- Mobile gaming
- Cellular handsets
- Cameras
- GPS modules
- Asset tracking
- Location finder

**BPM9100****Features:**

- **High-sensitivity** navigation engine (PVT) tracks as low as **-163dBm**
- 48 track verification channels
- SBAS (WAAS, EGNOS, QZSS and others)
- Only 50 to 500uA maintains host start capability
- <10mW required for TricklePower™ mode
- Removes in-band jammers up to 80dB-Hz
- Tracks up to 8 CW jammers
- Smart sensor I2C interface
- Interrupt input for context change detection
- Operation from single 1.8V supply
- Host I2C, SPI and UART supported
- Data logging
- Baud rate detection
- **Low power** tracking
- Fast time-sync mode
- **Longer SGEE** data retention
- On-board patched antenna
- -40°C to +85°C temperature operating
- RoHS compliant

**Specifications:**

Dimensions	21.6 x 39.6 x 5.5 mm (0.85" x 1.56" x 0.22")
Device Type	Embedded GPS OEM modules
Interface	UART / SPI / Host I2C
Protocol	NMEA, OSP
Satellite System	SBAS + SBAS + QZSS
Receive Sensitivity	-163 dBm (typical)
Power Consumption	10 mW
Receiving Frequency	1.57542GHz
Operation Voltage	3.3V/1.8V supply
Antenna	On-board patched antenna
RF Input Impedance	50 Ohms
Track Channel	48 track verification channels
Operating Temp.	-40°C to +85°C
Environmental	RoHS compliant