EWM-G107H

Embedded GPS/ GALILEO Mini PCIe Card



Features

- < 1 second TTFF for Hot and Aided Starts
- Receives GPS and GALILEO signals
- SBAS (WAAS, EGNOS, MSAS, GAGAN)
- Operating temperature: -40 to 85° C

Specifications

Receiver Type	50 Channels
	GPS L1 frequency, C/A code
	GALILEO Open Service L1 frequency
Time-To-First-Fix	Cold Start: 29 s
	Warm Start: 29 s
	Hot Start: < 1 s
Sensitivity	Tracking & Navigation: -160 dBm
	Reacquisition: -160 dBm
	Cold Start: -144 dBm
Horizontal Position Accuracy	Autonomous: < 2.5 m
	SBAS: < 2.0 m
Accuracy of Time Pulse Signal	RMS: 30 ns
	99%: < 60 ns
	Time Pulse Configurable: f=0.25…999 Hz (Tp=1/f-1ms)
Max Navigation Update Rate	< 4 Hz
Velocity Accuracy	0.1 m/s
Heading Accuracy	0.5 degress
Dynamics	< 4 g
Operational Limits	Velocity: 515 m/s (1000 knots)
Operating Temperature	-40 to 85° C

Ordering Information

Part No.	Product Description
EWM-G107H01E	Embedded GPS/GALILEO Half-size Mini PCIe Card

Suggested Antenna and Cable

Part No.	Specifications
1750006432	GPS antenna 1575 MHz, Antenna 4.5 dBi, LNA 28 dBi, Cubic antenna 45 x 35 x 14 mm, RHCP and SMA male (MM)
1750005885	WiFi Coaxial Cable, 23 cm, and U.FL female/RP-SMA male

EWM-G107F

Embedded GPS/ GALILEO Mini PCIe Card



Features

- < 1 second TTFF for Hot and Aided Starts
- Receives GPS and GALILEO signals
- SBAS (WAAS, EGNOS, MSAS, GAGAN)
- Operating temperature: -40 to 85° C

Specifications

Receiver Type	50 Channels
	GPS L1 frequency, C/A code
	GALILEO Open Service L1 frequency
Time-To-First-Fix	Cold Start: 29 s
	Warm Start: 29 s
	Hot Start: < 1 s
Sensitivity	Tracking & Navigation: -160 dBm
	Reacquisition: -160 dBm
	Cold Start: -144 dBm
Horizontal Position Accuracy	Autonomous: < 2.5 m
	SBAS: < 2.0 m
Accuracy of Time Pulse Signal	RMS: 30 ns
	99%: < 60 ns
	Time Pulse Configurable: f=0.25…999 Hz (Tp=1/f-1ms)
Max Navigation Update Rate	< 4 Hz
Velocity Accuracy	0.1 m/s
Heading Accuracy	0.5 degress
Dynamics	< 4 g
Operational Limits	Velocity: 515 m/s (1000 knots)
Operating Temperature	-40 to 85° C

Ordering Information

Part No.	Product Description
EWM-G107F01E	Embedded GPS/GALILEO Full-size Mini PCIe Card

Suggested Antenna and Cable

Part No.	Specifications
1750006432	GPS antenna 1575 MHz, Antenna 4.5 dBi, LNA 28 dBi, Cubic antenna 45 x 35 x 14 mm, RHCP and SMA male (MM)
1750005885	WiFi Coaxial Cable, 23 cm, and U.FL female/RP-SMA male

All product specifications are subject to change without notice

Last updated : 11-Jun-2012