



GS9628

GPS Module

AMPAK Technology Co., Ltd. introduces a low-cost and compact module which GPS functions. The highly integrated module can be applied for the wireless handsets, space and power sensitive devices.

The standalone P.V.T. engine of this GPS module can independently support GPS feature through USB interface. The form factor was especially developed for NB/MID applications.

Main Features

- Compact form factor
- UART supported
- A-GPS supported
- Standalone P.V.T. engine

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- 3.3V power supply.
- UART interface
- Build-in LNA and SAW Filter
- A-GPS supported





General Specifications

Product Name	GS9628 GPS Mini Card
Dimensions (mm)	15x31x2.75
Host Interface	UART
Frequency Band	L1 1575.42 MHz
Channels	Up to 20
Operating Voltage	3.3V (minimum)
Absolute Voltage Ranges	Minimum : -0.2V Maximum : 5.8V
Tracking Sensitivity	-159 dBm (typ)
Autonomous acquisition (tracking)	-142 dBm (typ)
TTFF (Cold start- Autonomous)	35 +/- 10 sec
TTFF (Hold start- Autonomous)	1 +/- 0.5 sec
Multimode A-GPS Support	Autonomous, MS Based, MS Assisted
Location protocol libraries supporting	RRC, RRLP, 3GPP2, SUPL, E-911
Power Consumption	36mA@3.3V (Standby) 46mA@3.3V (Working)
Supplied Driver	Windows XP/Vista/CE and Linux 2.6