

# GPS and WiFi Modules

Embedded Modules

## DELORME GPS2058-10 MODULE

DeLorme GPS modules contain a complete GPS positioning system in one surface mount package. This makes it very easy to adopt GPS navigation or positioning into your system design with a minimum of effort and cost. The module has an RF input to connect the antenna, and inside the module is a LNA (low Noise Amplifier) and SAW (Surface Acoustic Wave) filter to boost the received signal and isolate the target signal frequency. DeLorme has also embedded the power regulation to improve the sensitivity and performance of the GPS receiver.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	DeLorme Part No.	Fig.	No. of Channels	Position Accuracy	Acquisition Sensitivity	Tracking Sensitivity	Time (PPS)	Max. Velocity	Acceleration	Price Each			
										1	10	25	50
<a href="#">713-GM-205810-000</a>	GM-205810-000	A	16	2.0 meters	-146 dBm	-159 dBm	±62ns	515 m/s	4g Max	41.65	40.06	32.04	30.96



## DELORME GPS EVALUATION KIT FOR GPS2058-10 MODULE

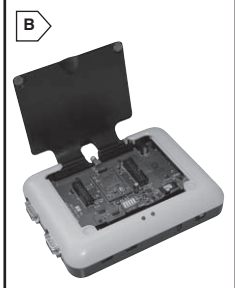
### Kit Includes:

- Circuit board with a GPS2058-10 module in a custom plastic case
- 120V/240V DC Power Adapters
- USB Cable
- Active Antenna
- Documentation
- Street Atlas USA 20088

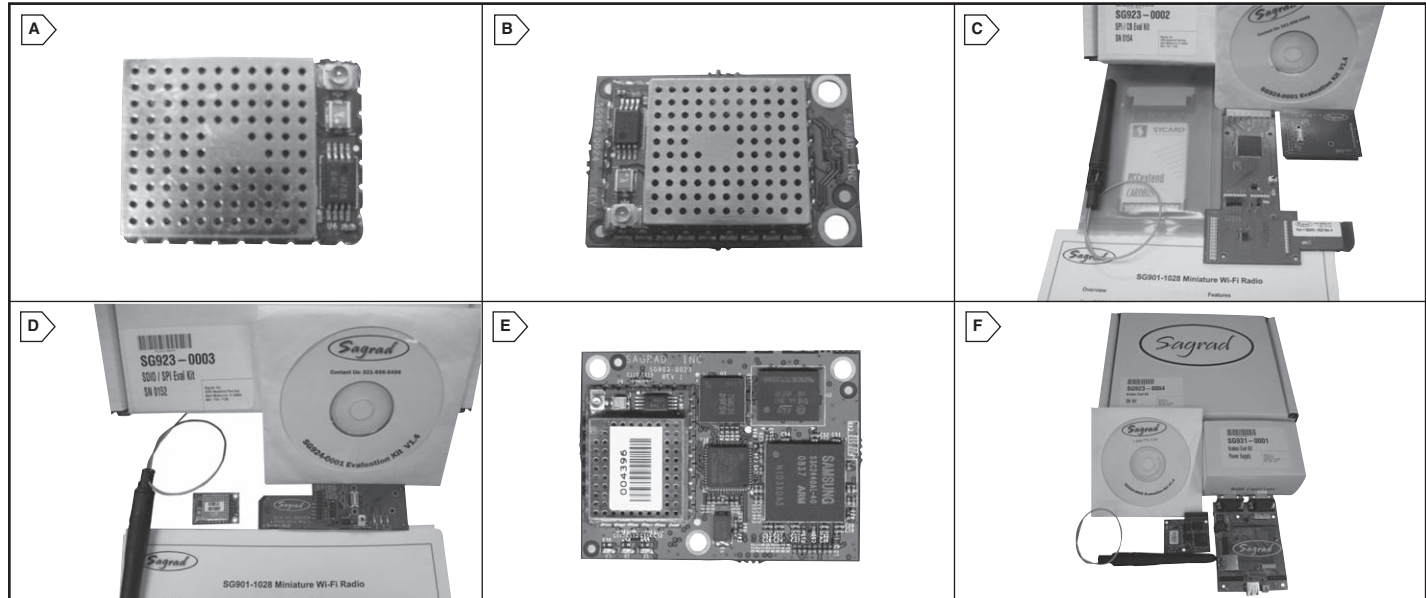
### Features:

- Standatd USB and RS-232 Data Interfaces
- LED indicator for power and GPS status
- Power from USB, 12V auto adapter, 2 AA batteries, or 120V/220V converter
- Socketed GPS Module for upgrades or development
- Plug and Play with most mapping products

MOUSER STOCK NO.	DeLorme Part No.	Fig.	Description	Price Each
<a href="#">713-GM-2058EV-101</a>	GM-2058EV-101	B	GPS Evaluation Kit for GPS2058-10 Module	492.05



## SAGRAD WIFI MODULES



### 802.11 Diamond Back WiFi Modules

The SG901-1028 is a single chip based 802.11b/g WLAN radio for embedded, low-power and very small form factor mobile applications. The product conforms to the IEEE 802.11b and 802.11g protocols operating in the 2.45GHz ISM frequency band supporting OFDM data rates of 54, 48, 36, 24, 18, 12, 9, and 6Mbps. It also supports CCK data rates of 11 and 5.5Mbps and legacy data rates of 2 and 1Mbps.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Sagrad Part No.	Fig.	Supply Voltage	RF Frequency Range	Connector Type	Electrical Interface	RF Connectors	Price Each			
								1	10	25	50
<a href="#">622-SG901-1028</a>	SG901-1028	A	3.3 V	2400-2500 MHz	LGA	SPI/SDIO	1	37.40	34.60	32.73	29.92
<a href="#">622-SG901-1039</a>	SG901-1039	B	3.3 V	2400-2500 MHz	Molex	SPI/SDO	1	79.28	67.81	64.47	63.29

### Evaluation Kits

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Sagrad Part No.	Fig.	Description	Price Each	
				1	10
<a href="#">622-SG923-0002</a>	SG923-0002	C	EVK PC-16 Performance Evaluation Kit for WiFi Modules	520.00	499.00
<a href="#">622-SG923-0003</a>	SG923-0003	D	EVK SPI + SDIO Software Integration Kit	260.00	249.00

### 802.11 Kraken Wi-Fi Module

The Kraken module is a fully functional wireless radio including a single-chip 802.11b/g transceiver, an ARM9 processor, flash and SDRAM memories, and a 10/100 Ethernet combo. The system is shipped running Linux with Wi-Fi ready for customer use. Application software and OS changes are supported through the Linux system source code provided by Sagrad. The on board 802.11 radio conforms to the IEEE 802.11b and 802.11g protocols operating in the 2.45GHz ISM frequency band supporting OFDM data rates of 54, 48, 36, 24, 18, 12, 9, and 6Mbps. It also supports CCK data rates of 11 and 5.5Mbps and legacy data rates of 2 and 1Mbps.

MOUSER STOCK NO.	Sagrad Part No.	Fig.	Description	Price Each
<a href="#">622-SG901-1047</a>	SG901-1047	E	Kraken 802.11g WLAN Radio Module	140.00
<a href="#">622-SG923-0004</a>	SG923-0004	F	Kraken Evaluation Kit	350.00