

GPS Modules

Wireless Solutions

Fastrax GPS/GLONASS MODULES

- Features:**
- Multi-GNSS system
 - Glonass, GPS and Galileo support
 - Embedded programming with SDK
 - High availability of position
 - Dead reckoning support

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fastrax Part No.	Channels	Update Rate (Hz)	Dimensions	Time-to-first-fix (s)			Sensitivity (dBm)			Chipset	Memory Size (MBit)	Operating Voltage	Price Each
					Cold	Warm	Hot	Acquisition	Re-acquisition	Navigating				
916-IT600	IT600	32	≤10	16.2 x 18.8 x 2.3	33	33	1	-146	-150	-162	ST Teseo II	16	1.8	34.20

Fastrax GPS RECEIVER MODULES

IT500 Series

- Features:**
- Highest possible sensitivity
 - A-GPS support
 - Multiplatform footprint (IT500)

For quantities greater than listed, call for quote.

916-IT520	IT520	22 trk +66 acq.	≤10	10.4 x 14.0 x 2.3	33	33	1	-148	-160	-165	Mediatek MT3329	4	3 - 4.2	31.35
916-IT530	IT530	22 trk +66 acq.	1	9.6 x 9.6 x 1.85	31	31	1	-148	-160	-165	Mediatek MT3339	-	3 - 4.3	32.50

IT400 Series

- Features:**
- Always hot start
 - 8 CW jammer remover
 - Embedded extended ephemeris
 - SIRFAware for 125µA avg. power consumption

For quantities greater than listed, call for quote.

916-IT430	IT430	48	1	9.6 x 9.6 x 1.85	35	35	1	-147	-162	-163	SIRFstar IV	-	1.8	31.35
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Fastrax GPS MODULES WITH INTEGRATED ANTENNAS

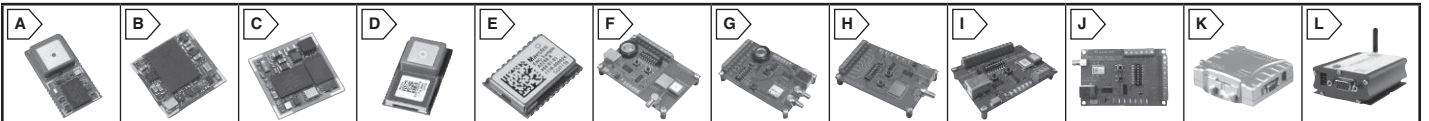
- Features:**
- Low Power consumption: 75mW @ 3.0V
 - Predicted A-GPS for 14 days
 - Jammer detection and removal
 - Embedded, pre-tuned 18 x 18mm
 - WAAS/EGNOS support
 - Patch antenna
 - Optional internal back-up battery (UP501B)

For quantities greater than listed, call for quote.

916-UC430	UC430	48	1	9.6x14x1.95	35	35	-	-147	-162	-161	SIRF IV	-	1.8	32.35
916-UC530	UC530	22 trk +66 acq.	1	9.6 x 14.0 x 1.95	31	31	1	-148	-160	-165	Mediatek MT3339	-	3 - 4.3	34.95
916-UP501	UP501	22 trk +66 acq.	≤10	22 x 22 x 8	33	33	1	-148	-160	-165	Mediatek MT3329	4	3-4.2	31.35

Fastrax DEVELOPMENT KITS

MOUSER STOCK NO.	Fastrax Part No.	Description	Price Each
916-AC430	AC430	Application Board for UC430	63.00
916-AC530	AC530	Application Board for UC530	63.00
916-AP430	AP430	Application Board for IT430	63.00
916-AP520	AP520	Application Board for IT520	63.00
916-AP530	AP530	Application Board for IT530	63.00
916-AP600	AP600	Application Board for IT600	94.50
916-APU501	APU501	Application Board for UP501	63.00
916-MVK	MVK	Evaluation Kit for Fastrax Application Boards	94.50



maestro SIRFSTAR III GPS MODULES

Specifications:

- Channels: 20 Parallel tracking
- Correlators: 200,000+
- Frequency: L1 - 1575MHz
- Sensitivity: Tracking: -159dBm, Acquisition (cold start): -142dBm
- Positional Accuracy (horizontal): <2.5m CEP (autonomous), <2m CEP SBAS
- Time to First Fix:
 - Hot Start: <1s
 - Warm Start: <32s
 - Cold Start: <35s
- NMEA Message Switchable: GGA, GSA, GSV, VTG, RMC, GLL
- Baud Rate: 4800 (default) to 115200
- Serial Ports: 3.3V CMOS Compatible
 - Tx0: NMEA output
 - Rx0: NMEA input
- Input Voltage: 3 to 3.6VDC
- Current Draw:
 - Acquisition: 31mA
 - Tracking: 26mA
 - Standby: 20µA

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Maestro Wireless Part No.	Fig.	Description	Dimensions LxWxH (mm)	Operating Temperature (°C)	Price Each
927-A1035-H	A1035-H	A	SMT GPS Module with internal antenna and support for an active external antenna	30.5 x 16.5 x 5	-40 to 85	20.63
927-A1084-B	A1084-B	B	SMT GPS Module with integrated Passive Antenna	16.2 x 19 x 2.4	-40 to 85	17.06

maestro SIRFSTAR IV GPS MODULES

Specifications:

- Channels: 48
- Correlators: 400,000
- Frequency: L1 - 1,575MHz
- Sensitivity:
 - Tracking: -163dBm
 - Navigation: -160dBm
 - Acquisition (cold start): -148dBm
- Position Accuracy (horizontal): < 2.5m CEP (autonomous), <2m CEP SBAS
- Time To First Fix:
 - Hot Start: < 1s
 - Warm Start: < 32s
 - Cold Start: < 35s
- Interface: UART, SPI, I2C
- Supply Voltage: 3 to 3.6VDC, 1.7 to 1.9VDC
- Power Consumption:
 - Fully tracking: 47mW
 - Trickle Power Mode (1Hz): 8mW
 - SIRFAware™ Mode: 500µW
 - Hibernate Mode: 30µW

For quantities greater than listed, call for quote.

927-A2100-A	A2100-A	C	High Sensitivity, Low Power, SMT GPS Module with Direct Passive Antenna Support	15.2 x 15.2 x 2.4	-40 to 85	19.44
927-A2035-H410	A2035H	D	SMT GPS Module with Directional Patch Antenna	30.5 x 16.5 x 5	-40 to 85	18.55
927-A2200-A	A2200-A	E	Single-sided SMT component with direct passive antenna support	14 x 10.2 x 2.5	-40 to 85	13.60

maestro GPS EVALUATION BOARDS

Allows easy evaluation of Maestro Wireless's GPS receiver modules by offering quick access to serial ports and the most important I/O lines of the module.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Maestro Wireless Part No.	Fig.	Description	Price Each
927-EVA1035-H	EVA1035-H	F	Evaluation Board for A1035-H	193.33
927-EVA1084-A	EVA1084-A	G	Evaluation Board for A1084-A	193.33
927-EVA2100-A	EVA2100-A	H	Evaluation Board for A2100-A	193.33
927-EVA2035-H	EVA2035H	I	Evaluation Board for A2035H	198.46
927-EVA2200-A	EVA2200-A	J	Evaluation Board for A2200-A	184.30

maestro HERITAGE GATEWAY SERIES

Combine the main unit GPRS/EDGE modem with additional boards for expanded functionality

For quantities greater than listed, call for quote.

927-HB11	HB11	K	Main Unit - GPRS/EDGE Modem for Machine to Machine applications	203.17
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maestro INDUSTRIAL CELLULAR DEVICES

927-M100EVO-11B | M100evo-11B | L | GPRS Quadband Industrial Modem - 100evo Series

For quantities greater than listed, call for quote.

927-M100EVO-11B	M100evo-11B	L	GPRS Quadband Industrial Modem - 100evo Series	234.92
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