

Broadband Technology 2000

maestro 
empowering wireless

 FALCOM



GNSS Receivers

A2200-A

This small form-factor module fully addresses the demand for lowest power consumption with, amongst other features, SiRFaware technology. The removal of jammers does not only facilitate designs of new products, but guarantees operation even in hostile environments.



*** Focus: Highly Integrated and Cost Effective ***

Application:

- Handheld Device
- Vehicle tracking

Main Advantage:

- SiRFstarIV ROM based chip
- Very small footprint
- Direct passive antenna support
- Removes in-band jammers up to 80dB/Hz
- Tracks up to 8 continuous wave jammers
- Required only 50-500uA to maintain hot start

Battery Powered:

- Excellent SiRFstarIV performance
 - Acquisition sensitivity -148 dBm
 - Tracking sensitivity -163 dBm
 - Navigation sensitivity -160 dBm

GNSS Receivers

A2135-H/ A2235-H

Stack-up Antenna SiRFstarIV Integrated Solution. The A2235-H is Maestro's next generation of active GPS module, integrating a cost effective GPS receiver with an on-board patch antenna judiciously assembled above the components for an optimally small 17.8 x 16.5 mm footprint.



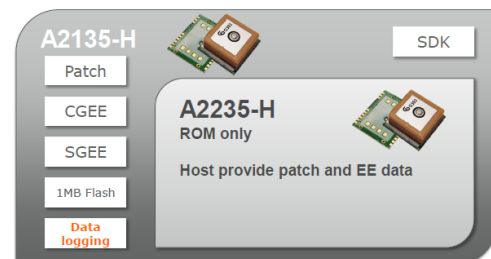
*** Focus: Space Efficient, Integrated Solution ***

Application:

- Telematics Application
- Personal Monitoring

Main Advantage:

- **A2135-H:** SiRFstarIV **Flash** based chip
- **A2235-H:** SiRFstarIV **ROM** based chip
- On-board patch antenna
- RF switch with active antenna auto-sleep
- Low power consumption with DC/DC converter
- Remove in-band jamming signals
- MEMS support
- Excellent SiRFstarIV performance
 - Acquisition sensitivity -148 dBm
 - Tracking sensitivity -163 dBm
 - Navigation sensitivity -160 dBm



CGEE = SiRF Client Generated Extended Ephemeris
SGEE = SiRF Server Generated Extended Ephemeris

GNSS Receivers

NEW! A5100-A



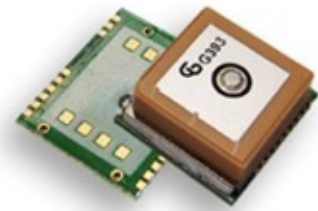
Concurrent GPS/GLONASS GNSS solutions - BeiDou / Galileo ready. Lowest tracking power consumption. Ideal for battery powered applications. Pin compatible with key A2200-A. Simple integration for fast time to market.

- **Concurrent GNSS Receiver: GPS, GLONASS, WAAS, EGNOS, QZSS**
Future: Galileo, Compass/Beidou, other SBAS
- **Pin-to-Pin compatible with SiRFStarIV GPS receiver A-2200-A**
Compact Size: 14.0mm (L) x 10.2mm (W) x 2.5mm
- **Improved urban canyons/demanding application performance (SiRFcity)**
Higher availability of satellites to use
Better DOP, accuracy and roadtrack
- **Highest sensitivity:**
GPS: -165dBm
Glonass: -163 dBm
- **Flashed based with future FW and navigation upgrades available**
- **Ultra low power and multiple power modes (SiRFAware)**
Internal power management at 3.3V
- **Assisted GNSS (Client and Server)**

GNSS Receivers

NEW! A5135-H

Concurrent GPS/GLONASS GNSS solutions - BeiDou / Galileo ready. Lowest tracking power consumption. Ideal for battery powered applications. Pin compatible with key A2135-H / A2235-H. Simple integration for fast time to market. Integrated Antenna.



*** Focus: Space Efficient, Integrated Solution ***

Application:

- Telematics application
- Personal Monitoring

Main Advantage:

- SiRFstarV BC01 based chip
- On-board patch antenna
- RF switch with active antenna
- Low power consumption with DC/DC converter
- Remove in-band jamming signals
- MEMS support
- Excellent SiRFstarIV performance
 - Acquisition sensitivity -148 dBm
 - Tracking sensitivity -163 dBm
 - Navigation sensitivity -160 dBm

Modems

NEW! M110 Series



*** Focus: Compact & Intelligent Industrial Modems ***

Maestro M110 modems are designed to provide connectivity across a broad range of M2M and IoT applications. They allow Internet connectivity via serial port to PLCs, Meters, Vending Machines. They help transporting data from any industrial device to data control servers, allowing businesses to benefit from real-time data monitoring, management and control.

Maestro M110 series modems support industrial protocols and accessories specifically developed by Maestro to ease integration with industrial equipment such as electricity meters, programmable logic controllers, lifts and vending machines.

Applications

- Metering
- Monitoring & Control
- SCADA

Modems

M100 & M100⁴⁸⁵ Series



*** Focus: Compact & Intelligent Industrial Modems ***

Available in 2G, 3G and CDMA. The M100 2G is the perfect solution for M2M applications facing tough environmental conditions and extended lifetime requirements.

Available in 3G and CDMA. The M100⁴⁸⁵ Series is the perfect solution for M2M applications facing tough environmental conditions and extended lifetime requirements.

SmartPack simplify user experience by providing an easy to use interface for setting-up your modem. Fully integrated with all the M100⁴⁸⁵ Series, it will let you choose your preferred configuration for a quick integration into your application.

Applications

- Metering
- Monitoring & Control
- SCADA



Trackers

FOX3-2G/3G- Vehicle Tracking with Integrated 2G/3G Connectivity

*** Focus: Advanced and Fully Customizable Vehicle Tracking Device ***

FOX3 is a compact, all-in-one device combining all features of the successful FOX-IN/EN family into one single unit



- UMTS/HSPA: 900/2100 MHz for Europe; 850/1900 MHz for America
- GSM/GPRS/EDGE: 850/900/1800/1900 MHz
- Multi channel GNSS receiver
- RS232/ RS485/ 1-Wire/ I2C/CAN interfaces
- CAN/OBDII/FMS interface
- Passive / active RFID connectivity via RS-232 port
- USB 2.0 interface
- Multi-function I/Os
- 3-axis acceleration + internal temp sensors
- Hardware expandable via IOBOX-MINI, IOBOX-CAN
- PFAL programming language

Trackers

BOLERO-40 Series - IP68-Rated, Rugged and Road-worthy Micro-Tracker



Focus: IP68-rated, rugged and "roadworthy" micro-tracker

The BOLERO-40 Series supports wide temperature range which makes it a perfect tracking device for challenging environmental situations. It is delivered with an IP68 casing: waterproof, immersion up to 1.2m during 60min, and completely rustproof, it is the perfect tracking device for extreme conditions and activities.

Available in 2G, 3G and LTE. The BOLERO-40 Series is a compact range of rugged micro-tracker especially designed to match environmental, mechanical and electrical requirements of the vehicle tracking market.

Application:

- Electric Vehicle
- Motorbike/Vehicle Tracking
- Bike & Car Sharing

Main Advantage:

- Concurrent GPS & GLONASS
- 9VDC ~ 60VDC "roadworthy"
- Dual SIM
- Ignition sensing

Routers

E200 Series



*** Focus: Highly versatile, reliable and rugged router ***

With high-speed cellular (3G and beyond), WAN, LAN and Wi-Fi connectivity, the E200 Series is designed for mission-critical enterprise applications requiring faultless connectivity.

The Maestro E200 Series has an automatic failover functionality that avoids you to lose communication anytime you have a connection problem. As soon as the cable connection is lost, communications will automatically failover on the cellular network: with the E200 Series your business will, basically, never stops.

Applications:

- Business Continuity
- Sales & Payment
- Monitoring & Control



Routers

E220 Series



*** Focus: A highly versatile, reliable and rugged series of routers ***

With high-speed 3G or LTE, WAN, LAN, Wi-Fi and serial connectivity, Maestro E220 is designed for mission-critical enterprise applications requiring faultless connectivity.

Maestro E220 has an automatic failover functionality that avoids you to lose communication anytime you have a connection problem. As soon as the cable connection is lost, communications will automatically failover on the cellular network (up to 150 Mbps): with E220 your business will, basically, never stops.

Applications:

- Business Continuity
- Sales & Payment
- Monitoring & Control





D2SPHERE™

* Introducing D2SPHERE™ device management services*

Cost Effective Deployment

Because Total Cost of Ownership (TCO) is key to a successful M2M / IoT deployment, D2SPHERE™ helps you managing your devices, making sure they are all up to date and reporting the information that matters to successfully run your business.

Delta Remote Update

Pay for data that matters, reduce your maintenance cost with software and firmware remote delta update.

Unified Dashboard

Get a snapshot of your devices deployment with critical information displayed on D2SPHERE™ dashboard. Manage devices health-state, get notified about critical information and act to keep your business running.



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