Heritage
Series

maestro

Adaptable, powerful and tailor-made modem

Maestro Heritage combines industrial-grade design GSM/GPRS/EDGE technologies with pluggable boards for Machine to Machine applications.

This modular and scalable design concept transforms the Heritage into a Multitechnology Gateway which features a powerful operating system offering Download Over The Air capabilities and innovative embedded applications.

Being customizable both in terms of hardware and software, the Maestro Heritage modem is the best tailored solution of choice in direct response to market needs.

Option boards (patented technologies) :

Maestro Heritage main unit is available with a series of option boards to serve specific applications.

I/O Board

6+6 digital inputs/outputs
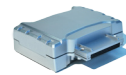✓ Monitoring and Control

Analog Board

4 AI, DI and DO ports
✓ Monitoring and Control

Ethernet Board
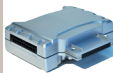
allows IP connectivity
✓ Sales & Payment
✓ Home & Security

Bluetooth Board

Transparent RS232 over Bluetooth transmission
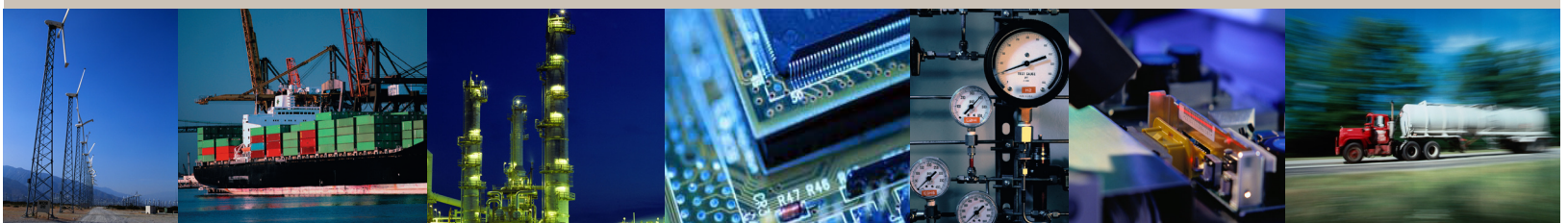✓ Cable replacement
✓ Healthcare

GPS Board

✓ Vehicle Remote Management

Wavenis Board

RF wireless connectivity
✓ Monitoring and Control
✓ Wireless Sensor Network

Technical information

GENERAL FEATURES

- Quadband GSM 850/900/1800/1900 MHz
- GPRS class 10 / EDGE class 10
- ETSI GSM Phase 2+ compliant
- LED Bar RSSI (Receive Signal Strength Indication)
- LED indication of Network Registration,
  Up / Down Data Traffic and EDGE availability
- Expansion slot for add-on module for customised functions
- Din Rail Mountable
- Real time clock backup up by Supercap
- Built-in watchdog chip to prevent modem lock-up
- Control via AT commands (GSM 07.05, GSM 07.07 and Wavecom)
- Maestro's software pre-installed (see below)
- Temperature range:
- Operational: -40°C to +85°C
- Storage: -40°C to +85°C
- Casing: plastic ABS material
- Dimensions: 79 x 84 x 27mm
- Weight: 100g

ELECTRICAL CHARACTERISTICS

- Supply voltage range: 5-32V DC
- Power consumption
- GSM 850/900 (PCL 5): 310mA@5V, 50mA@32V
- DCS 1800/PCS 1900 (PCL 0): 240mA@5V, 40mA@32V
- GPRS 850/900 CL10 (PCL 5): 520mA@5V, 80mA@32V
- GPRS 1800/1900 CL10 (PCL 0): 390mA@5V, 70mA@32V
- Idle consumption: 80mA@5V, 18mA@32V
- Output power:
- 2W for GSM850/900 GPRS850/900
- 1W for GSM1800/1900 GPRS1800/1900
- 0.5W for EGPRS 850/900
- 0.4W for EGPRS 1800/1900

GPRS / EDGE

- GPRS Multislot class 10 / EGPRS Multislot class 10
- Mobile station class B
- PBBCH support
- Coding schemes CS1 to CS4 for GPRS
- Coding schemes MCS1 to MCS9 for EGPRS

CSD DATA TRANSMISSION

- Asynchronous, Transparant & Non Transparent
- CSD up to 14.4 kbps

SMS

- Point-to point MO/MT
- Text & PDU
- Cell Broadcast

FAX

Fax G3 (class 1 & class 2)

INTERFACE

- Antenna: SMA female connector
- RS232 on 9 pin female Sub-D connector
- DC power supply connector
- Sim card: 1.8V / 3V

SOFTWARE SUPPORT

Processor: Wavecom Wireless CPU (Memory 256 KB SRAM & 1.5MB Flash)

OS : Wavecom's OPEN AT

Pre-installed features

- AUTOTCP
- AT Command Over SMS
- Modem status check & monitoring
- Command Line Interface to program sequence of actions driven by events
- Download Over The Air (DOTA) for application software upgrade
- Download Over The Air (DOTA) for firmware upgrade (available at a later stage)

Optional features

- Wireless gateway for Modbus RTU protocol
- Modbus Master with SMS server
- Modbus I/O

CERTIFICATIONS

CE

R&TTE

FCC

AT&T

RoHS compliant

Distributor's Contact

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