



Powerful and Trusted Wireless Solutions for the M2M market



maestro 
empowering wireless

Products Catalog 2010

Company Overview

Maestro Wireless Solutions: From HK to the world



Since 2002 Maestro Wireless Solutions, develops, manufactures, and distributes wireless solutions. With presence in more than 35 countries Maestro has extended its reach years after years.

Our Values:

Partnership and Commitment:

Maestro Wireless Solutions comes to each challenge in a partnership spirit and positions itself as a trusted partner. Our process aims to place client as part of its solution team. Any time there are technical, commercial, or time constraints, we will support our clientele with realistic proposition and commitments in favor of his needs.

Flexibility & Efficiency:

As a dedicated medium-sized company, Maestro Wireless Solutions is capable of following projects with the highest grade of flexibility required by the industry. Our team of engineers and developers will help you prioritize actions maximizing venture efficiency.

Challenge & People:

In today fast-paced M2M world, technology confidence is paramount while reducing time-to-market is the concrete challenge. To achieve its timely superiority Maestro wireless is structured toward vertical applications. The total service chain is wholly coordinated by experienced and knowledgeable people.

Partners:

Technological:



Network:



Industrial Automation:



Energy and water:



Hardware/Software Development:



Certification and Lab:



Maestro Heritage combines a base unit offering GSM/GPRS/EDGE technologies in an Industrial grade design with pluggable boards catering for diverse Machine to Machine applications, transforming the Heritage into a Multitechnology Gateway.

Maestro Heritage Modem & Add-On Boards

Maestro item code **HER010**



Maestro Heritage Main Unit

- Quadband GSM/850/900/1800/1900MHz
- GPRS Class 10 / Edge class 10
- Expansion slot for add-on module and customised functions
- Functional: -40°C to + 85°C
- OS: Wavecom OPEN AT
- Maestro Softtool Software for advanced features
- Worldwide Certified: CE / FCC / PTCRB / R&TTE / ROHS

Maestro item code **HER020**



Heritage GPS Add-On

- 32 Channel Receiver / Baseband Processor Chipset
- 8 Channel Tracking
- -157 dBm sensitivity
- 4 sec TTFF
- Accuracy: <7m outdoor, <30m indoor
- 6 Digital Input Ports, 2 Digital Output Ports, 4 Analog Inputs

Maestro item code **HER030**



Heritage Digital I/Os (6in/6Out) Add-On Board

- 6 digital inputs and 6 digital outputs
- Can be used as a Gateway for other devices using Modbus RTU or DNP 3.0 protocol
- Compatible with Maestro Facilities Management Solutions

Maestro Heritage combines a base unit offering GSM/GPRS/EDGE technologies in an Industrial grade design with pluggable boards catering for diverse Machine to Machine applications, transforming the Heritage into a Multitechnology Gateway.

Maestro Heritage Modem & Add-On Boards

Maestro item code **HER040**



Heritage Ethernet Add-On Board

- Transform Maestro Heritage GSM/GPRS/EDGE modem into a TCP/IP Gateway
- Ethernet 10/100 base T
- Cellular Router Capabilities
- RS232 over Ethernet Connection
- 2 Digital Inputs, 2 Digital Outputs
- 15 Pins connector for additional I/O and diagnostic/configuration
- Embedded Maestro Ethernet Configuration Software

Maestro item code **HER042**

Maestro Ethernet Router Metal Casing



As a reliable Router solution and an always-ready redundant connection, the Heritage Ethernet Router provides easy and cost-effective data transfer over TCP/IP communications.

Virtually any remote sites or devices can now join a corporate IP network.

Supporting M2M standards and security protocols, your new generation 2.75 G Wireless WAN cellular router is the perfect solution for highly demanding professionals with operations in the industrial applications fields.

Maestro Heritage GPRS/EDGE to Ethernet Gateway main features:

- Industrial Grade Ethernet Router with RS232 over Ethernet Connection
- 2 digital inputs, 2 digital outputs
- Easy set-up through desktop graphical interface
- Din Rail Mountable
- 15 pins connector for additional I/O and diagnostic/configuration
- Advantage of the Heritage Softtool features
- Embedded Maestro Ethernet Configuration Software

Maestro Heritage combines a base unit offering GSM/GPRS/EDGE technologies in an Industrial grade design with pluggable boards catering for diverse Machine to Machine applications, transforming the Heritage into a Multitechnology Gateway.

Maestro Heritage Modem & Add-On Boards

Maestro item code **HER050**



Heritage Bluetooth Add-On

Transform your Heritage into a Cellular-Bluetooth V2.0 Gateway, ideal for cable replacement :

- Transparent RS232 over Bluetooth transmission
- Industrial grade bluetooth: up to 150 meters at 732 kbps
- Support GAP, SDAP, SPP, DUN, SPP profile
- Embedded antenna
- High temperature range -30°C / +70°C

Maestro item code **HER060**



Heritage Coronis Wavenis 25mW Add-On Board

Transform your Heritage into a Cellular-Wavenis gateway transmits data from up to 500 Wavenis nodes. Offers full 2-way communications for automated monitoring and remote network administration.

- License free-bands worldwide 433, 868, 915-916 Mhz
- External Antenna

Coming Soon (OCT 09)

Maestro item code **HER070**



Heritage Analog Input/Pulse Counting Add-On

- 4 analog inputs
ADC resolution: 10 bits
- 4 digital inputs
Each digital input can be used as a 16 bits pulse counter.
Triggered on rising edge of the signal, or as a standard input.
- 4 digital outputs
- Programmed by AT Commands

Coming Soon (NOV 09)

Maestro Heritage combines a base unit offering GSM/GPRS/EDGE technologies in an Industrial grade design with pluggable boards catering for diverse Machine to Machine applications, transforming the Heritage into a Multitechnology Gateway.

Maestro Heritage Embedded Software

	<h3>Heritage Ethernet Configuration Software</h3> <p>Easily configure your Heritage Ethernet Router or Ethernet Add-on Board:</p> <p>Quickly Set-up:</p> <ul style="list-style-type: none">• ISP Username and Password• DHCP Pool Size• DNS Server• Default IP• IP Gateway• Subnet• Port Forwarding
---	---

Maestro item code **SP-03** (constant evolution - consult us for teh last free version)



Embedded Intelligence - Empowered User Experience
10 Features - No Premium charge

<i>DynDNS</i>	<i>Auto TCP Connection</i>	<i>Advanced programming script</i>
<i>TCP Terminal</i>	<i>Ping</i>	<i>Remote Program Updating</i>
<i>Modem status check and monitoring</i>	<i>Call Screening</i>	<i>AT command through SMS</i>



Maestro Heritage combines a base unit offering GSM/GPRS/EDGE technologies in an Industrial grade design with pluggable boards catering for diverse Machine to Machine applications, transforming the Heritage into a Multitechnology Gateway.

Heritage Bundles

Maestro item code **HB10**



The image shows the components of the HB10 bundle: a central white industrial unit, a black magnetic antenna on a cable, a black power supply unit with a power cord, a blue serial cable, a black Din clip, and a black softtool.

HB10 Bundle

- Heritage Main Unit
- + Magnetic Antenna
- + Industrial Power Supply
- + Serial Cable
- + Din Clip
- + Softtool

Maestro item code **HB20**



The image shows the components of the HB20 bundle: the HB10 bundle components plus a small blue GPS add-on board, a GPS antenna on a cable, and a multi-colored I/O extension cable.

HB20 Bundle

- HB10 Bundle
- + GPS Add-On
- + GPS Antenna
- + I/O Extension Cable

Maestro item code **HB30**



The image shows the components of the HB30 bundle: the HB10 bundle components plus a green I/O add-on board.

HB30 Bundle

- HB10 Bundle
- + I/O Add-On

Maestro Heritage combines a base unit offering GSM/GPRS/EDGE technologies in an Industrial grade design with pluggable boards catering for diverse Machine to Machine applications, transforming the Heritage into a Multitechnology Gateway.

Heritage Bundles

Maestro item code **HB40**

	<p><i>HB40 Bundle</i></p> <p>HB10 Bundle + Ethernet Add-On + Configuration Cable</p>
---	--

Maestro item code **HDK2 / HDK3 / HDK4**

<p>HERITAGE DEVELOPMENT KIT</p> <p>The Heritage Main Unit and up to 4 Add-On Boards with all accessories in one rugged case to create and test your wireless application.</p>	
--	--

	<p>Using its embedded open platform and easy to customize option board, Maestro Heritage makes it simple to adapt for any application.</p>
---	---

Maestro Heritage combines a base unit offering GSM/GPRS/EDGE technologies in an Industrial grade design with pluggable boards catering for diverse Machine to Machine applications, transforming the Heritage into a Multitechnology Gateway.

Heritage Bundles

Maestro item code **HB50**

	<p><i>HB50 Bundle</i></p> <p>HB10 Bundle + Bluetooth Add-On</p> <p>Now Available</p>
---	--

Maestro item code **HB60**

	<p><i>HB60 Bundle</i></p> <p>HB10 Bundle + Coronis Wavenis 25mW Add-On Board + External Antenna</p> <p>Coming Soon (OCT 09)</p>
---	---

Maestro item code **HB70**

	<p><i>HB70 Bundle</i></p> <p>HB10 Bundle + Analog Input/Pulse Counting Add-On</p> <p>Coming Soon (NOV 09)</p>
---	---

Compact and fully featured, the Maestro 100 series can easily be integrated into any industrial application from electricity meters to intrusion alarms or vending machines .etc

Maestro 100 Modem

Maestro item code **M100IP-M**



Maestro 100 TCP/IP

- Quadband GSM/850/900/1800/1900MHz
- GPRS Class 10
- Basic TCP, UDP, E-MAIL , FTP CLIENT
- Dimension: 88 * 60 * 26mm
- Operating Temperature: -20°C ~ +55°C
- Weight: 100g
- ROHS Compliant
- Plastic casing is available upon request

Maestro item code **M100L-M**



Maestro 100 Lite

Same features as Maestro 100 TCP/IP with limited TCP/IP support

- TCP, UDP only

Maestro item code **M100X-M**



Maestro 100 Extended

- Same features as Maestro 100 TCP/IP
- Extended operating Temperature: -30°C ~ + 75°C

Compact and fully featured, the Maestro 100 series can easily be integrated into any industrial application from electricity meters to intrusion alarms or vending machines .etc

Maestro item code **SP-01**

Smart
Pack



Optional software that empowers Maestro 100 wireless connectivity

“ Powered by the **outstanding quality** of Wavecom CPUs and renowned for their **reliability**, the Maestro 100 modems are the perfect devices to integrate in each of your projects facing **tough conditions** or extended lifetime requirements. ”

Maestro Industrial modem combines the state of the art self-maintenance capability (Comm Alive function) and a powerful Programmable Logic Controller-like functionality (PLC) with a wide range of interfaces that are essential for demanding M2M applications.

Maestro Industrial Modem

Maestro item code **MI-01**



Maestro Industrial 01 - 4DI

- Quadband GSM/850/900/1800/1900MHz
- GPRS Class 10
- TCP/IP
- Software watchdog on microcontroller
- RS232 on D-Sub 9 pin female
- **4 Digital Inputs on RJ45**
- Power Supply: 90 VAC to 264 VAC or 120 VDC to 370 VDC

Maestro item code **MI-05**



Maestro Industrial 05 - RS485

- Same features as Maestro Industrial 01
- **RS485 on 2 pin terminal block**

“With its **rugged metal casing**, status leds, optional DIN rail mounting and **battery back up** capability, Maestro Industrial is the perfect device for **critical M2M applications** that require maximum **communication stability** and power management of events.”

Maestro Wireless Solutions Empowering Wireless

GSM/GPRS/EDGE Modem

Maestro Wireless Solutions designs and offers a comprehensive portfolio of wireless industrial modems for the Machine to Machine (M2M) markets.

Maestro Facilities Management Solutions

A range of opened and user-friendly facilities management system for the monitoring, control and data acquisition of unattended facilities.

OEM/ODM Product

Applying more than 10 years experience and know how of M2M communication, the Maestro team provides effective and highly reliable wireless solutions from off-the-shelf, generic easy to use modems up to specific and optimized OEM integration.

