

Heritage 3G

maestro



empowering wireless

Multi-functional, reliable, and modular modem

The Maestro Heritage 3G combines industrial-grade design and UMTS technology for Machine-to-Machine applications.

The modular and scalable design concept transforms the Heritage 3G into a Multi-technology Gateway featuring a powerful operating system, download over the air capabilities and innovative embedded applications.

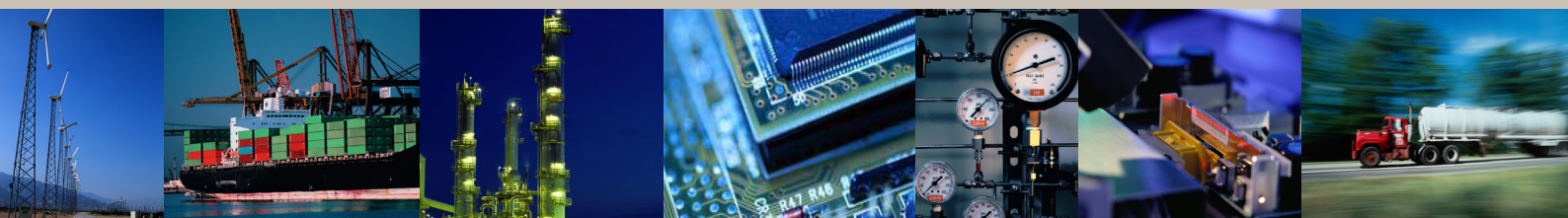
Being customizable both in terms of hardware and software, the Maestro Heritage Gateway is the solution of choice in direct response to project tailoring needs.

Main Features

- ✓ Quad-band GSM 850/900/1800/1900 MHz
- ✓ Tri-band UMTS 850/1900/2100 MHz
- ✓ Real Time Clock Backup
- ✓ Built-in watchdog chip
- ✓ High speed data transfer
 - Down: 7.2Mbps/ Up: 2Mbps
- ✓ Expansion slot for additional multi-technology connectivity

Low Latency and High Transfer Rate

Providing always-on Internet connectivity and high data transfer rate capability, the Maestro Heritage 3G enables devices in remote sites to be monitored and data to be transferred to a central server continuously. With additional Ethernet or short range wireless connectivity, remote users can easily access to their on-site equipments transparently any time, virtually everywhere.



GENERAL FEATURES
- Quad-band GSM 850/900/1800/1900 MHz
- Tri-band UMTS/HxDPA (WCDMA/FDD) 2100/1900/850 MHz
- GPRS class 12 / EDGE class 12
- 3GPP FDD Release 6 HSUPA Compliant
- LED Bar RSSI (Receive Signal Strength Indication)
- LED indication of Network Registration, Up / Down Data Traffic and 3G availability
- Expansion slot for add-on module for customized 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 Sierra)
- Maestro's software pre-installed (see below)
- Temperature range:
- Operating Functional: -35°C to +75°C
- Storage: -40°C to +75°C
- Casing: plastic ABS material
- Dimensions: 79 x 84 x 27mm
- Weight: 100g

ELECTRICAL CHARACTERISTICS
- Supply voltage range: 7-32V DC
- Power consumption:
- GSM 850/900 (PCL 5): 200mA@7V, 170mA@12V, 60mA@32V
- DCS 1800/PCS 1900 (PCL 0): 250mA@7V, 150mA@12V, 50mA@32V
- GPRS 850/900 CL12: 450mA@7V, 260mA@12V, 90mA@32V
- GPRS 1800/1900 CL12: 380mA@5V, 200mA@12V, 80mA@32V
- UMTS Connected Mode BAND II @ +22 dBm:
500mA@7V, 320mA@12V, 120mA@32V
- HSDPA Data Transfer2 Cat.8 7.2Mbps/s BAND II @ +22 dBm:
600mA@7V, 380mA@12V, 140mA@32V
- Idle consumption: 100mA@7V, 38mA@12V, 18mA@32V
- Output power:
- 33dBm for GSM 850/900 GPRS 850/900
- 30dBm for GSM 1800/1900 GPRS 1800/1900
- 24dBm for 3G (all bands)

GPRS / EDGE
- GPRS Multislot class 12 / EGPRS Multislot class 12
- Mobile station class B
- PBBCB support
- Coding schemes CS1 to CS4 for GPRS
- Coding schemes MCS1 to MCS9 for EGPRS

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

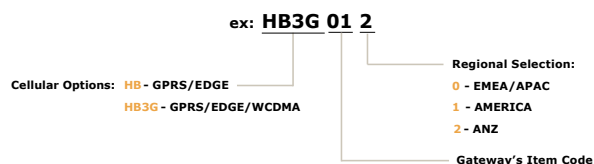
FAX
- Fax G3 (class 1 & class 2)

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: Sierra Wireless CPU
OS : Sierra OPEN AT
Maestro Heritage Softtool:
- AUTOTCP
- Remote AT Command
- Modem status check & monitoring
- Download Over The Air (DOTA) for application software upgrade
- Command String: event script language
- Auto PIN
- Email
- Call Screening
- Framework for Auto-Report solutions
- PC configuration software (Windows)

CERTIFICATIONS
CE
R&TTE
RoHS compliant

Ordering Information



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