

Heritage I/O Series

maestro



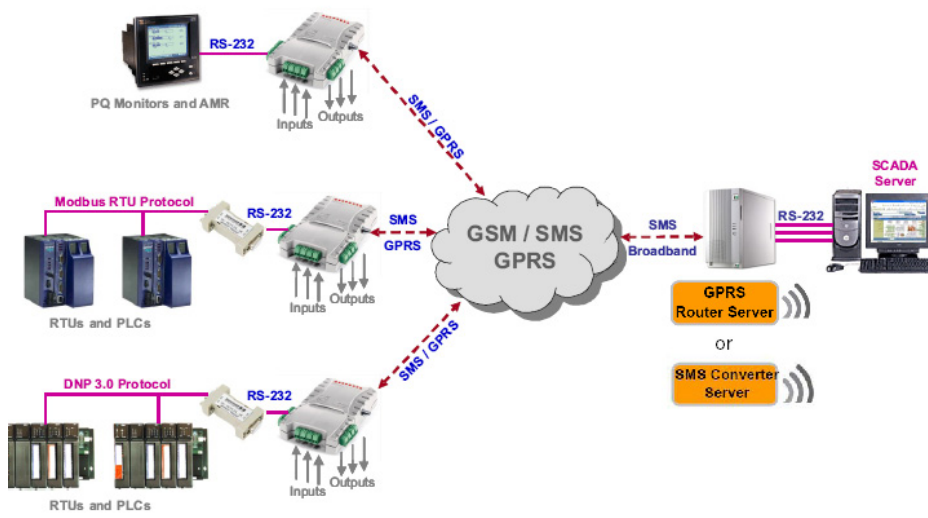
empowering wireless

Easy to use, reliable, industrial solutions

Maestro Wireless Solutions specialises in developing wireless solutions for SCADA and telemetry industry. The Heritage - I/O series solutions integrates I/O capabilities with wireless communications via SMS or GPRS. It supports standard industry protocols such as Modbus RTU or DNP 3.0 protocol and is compatible with most SCADA server software or Human Machine Interfaces (HMIs) that support these protocols. In addition to its own I/Os, the Heritage - I/O series unit is also a wireless gateway for external devices, making it a cost-effective, flexible and powerful remote I/O and communications device.

The Heritage - I/O series solutions is fully compatible with Maestro SMS Converter or Maestro GPRS Router Server for larger systems.

script label



Features

- NO FIX IP NEEDED AT THE REMOTE SITE
- Compatible with Modbus RTU and DNP 3.0 protocol and devices.
- Functions 1 -6 are supported in Modbus RTU protocol mode and Level 1 functions in DNP3.0 mode.
- Digital inputs also act as counters, each with its own multiplying factor. Support manual reset.
- Time-stamping of digital input events, accurate to 1ms, even in Modbus RTU protocol mode. Time synchronisation from SCADA server or telecommunications GSM / GPRS network.
- Programmable Modbus addresses for I/Os to suit different applications.
- Embedded firmware application upgradable in the field.

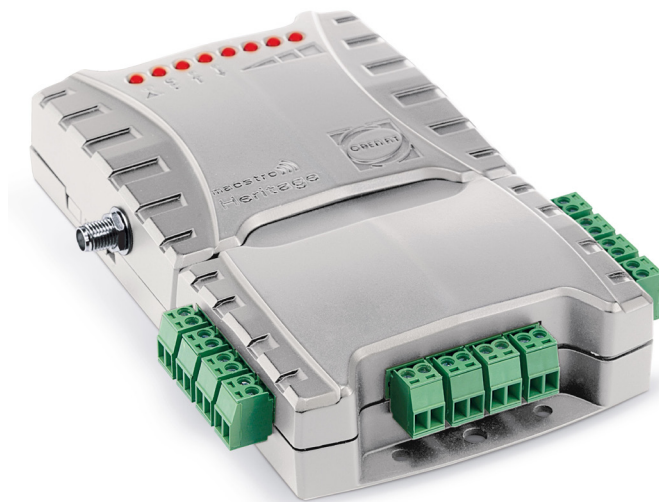


Heritage I/O Series

Technical information

| APPLICATIONS |
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| Water Utilities : fresh and waste water level alarms, pump control, flow measurements etc. |
| Electrical Utilities: fault indicators, reclosers, transformer temperature alerts, feeder monitoring & control, power quality etc. |
| Metering: water, electricity and gas |
| Rental or mobile equipment remote monitoring & control |
| Building management, HVAC |
| Street lights: power consumption and control |
| Security: movement detection and video transmission |
| Load profiling for electrical & water parameters, sensor measurements such as pressure, temperature, humidity, flow rate etc. |
| Connect to HART Multiplexers for remote communications with Asset Management Systems |

| FUNCTIONAL FEATURES |
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| Supports external attached devices to the serial port. Act as a wireless (SMS or GPRS) gateway for other devices using Modbus RTU or DNP 3.0 protocol. |
| Compatible with the Maestro SMS Converter Server in transparent SMS mode. |
| Compatible with the Maestro GPRS ROUTER Server (for large systems) in transparent GPRS mode. |
| User-friendly Graphical User Interface (GUI) for configuration, downloading and uploading. |
| Easy to configure - setup within minutes. The configuration parameters can be saved and downloaded into other Heritage - I/O series units |
| Use standard OpenAT programming platform |
| AES 128 Bit encryption |
| Developed for worldwide usage |
| No fix IP needed at the remote site |
| PRE-INSTALLED FEATURES |
| AUTOTCP |
| AT Command over SMS |
| Modem status check and 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) |
| OTHER FEATURES |
| Operating status LEDs |
| DIN rail mounting |



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