

100_{evo} Series

maestro



empowering wireless

Easy to use, reliable, industrial modems

Maestro 100 Evolution series is the perfect solution for demanding M2M applications. Compact and fully featured, the Maestro 100evo series can easily be integrated into industrial application from electricity meters to intrusion alarms or vending machines. Maestro 100evo modems are GPRS quadband and full type approved, making them immediately usable worldwide. Renowned for their outstanding reliability, Maestro 100evo modems are the perfect devices to integrate in each of your projects facing tough conditions or extended lifetime requirements.

100_{evo} Series



100evo Crystal : GPRS, plastic casing
(Transparent bitpipe)

100evo Lite : GPRS, Metal Casing,
(local config.)
+ Smart Pack Lite
+ 1 Digital Input

100evo IP : GPRS, Metal Casing,
(remote config.)
+ Smart Pack II
+ 1 Digital Input

100evo Advance : GPRS, Metal Casing, IDS
(Advance temperature)
+ Smart Pack II
+ 1 Digital Input
+ 1 Analog Input
+ Extended Temperature

Versatility

Maestro 100evo series provides different features regarding connectivity, intelligence or configuration software. You can thus get all the advantages of instant integration.



Smart
Pack II
back II



Technical information

| TECHNOLOGY | | | | |
|---|-------------------|--------------|------------|------------------|
| GSM | Quadband | | | |
| GPRS | Class 10 | | | |
| Voice/Data/Fax/SMS | ✓ | | | |
| TCP/IP | Full TCP/IP Stack | | | |
| INTERFACES | | | | |
| SIM Plug-in card reader | 1.8/3 V. | | | |
| RS232 on 15 pin Sub-D connector | ✓ | | | |
| Pin power supply connector | 4 pin DC | | | |
| SMA antenna connector (50 ohm) | ✓ | | | |
| POWER SUPPLY | | | | |
| Input voltage | 5 to 32V DC | | | |
| POWER CONSUMPTION | | | | |
| GSM 850/900 (PCL 5) | 203mA at 5V | | | |
| DCS 1800/PCS 1900 (PCL0) | 150mA at 5V | | | |
| GPRS 850/900 CL10 (PCL5) | 388mA at 5V | | | |
| GPRS 1800/1900 CL10 (PCL0) | 232mA at 5V | | | |
| Idle consumption | 45mA at 5V | | | |
| Idle consumption (RS232 not connected) | 18mA at 5V | | | |
| Sleep Mode | 4mA at 5V | | | |
| CERTIFICATIONS/COMPLIANCES | | | | |
| CE, GCF, RoHS Certification | | | | |
| VOICE, DATA AND SMS FEATURES | | | | |
| Data circuit asynchronous, transparent and non-transparent up to 14,400 bit/s ; Automatic fax group 3 (Class 1 and Class 2) ; MNP2, V.42bis ; Text and PDU SMS ; Point to point SMS (MT/MO) ; UCS2 Character Set Management | | | | |
| FUNCTIONAL FEATURES | | | | |
| AT command set (GSM 07.05, GSM 07.07) | > 300 | | | |
| FEATURES/PRODUCTS | | | | |
| | M100evo Crystal | M100evo Lite | M100evo IP | M100evo Advanced |
| Input - Digital | N/A | 1 | 1 | 1 |
| Input - Analog | N/A | | | 1 |
| Download Over The Air | N/A | | | Optional |
| Autorestore - timer reset | | | | ✓ |
| OTHER FEATURES | | | | |
| Operating status LED | | | | ✓ |
| Casing | Plastic | Metal | | |

| DIMENSIONS | | | |
|---------------------|-------------------------|----------|-------------------------|
| Size (mm) | 90x72x23 | 88x60x26 | |
| Weight (g) | 70 | 100 | |
| TEMPERATURE RANGE | | | |
| Operating / Storage | -30~+75 °C / -40~+85 °C | | -30~+85 °C / -40~+85 °C |

| OPTIONAL ACCESSORIES (ADDITIONAL ACCESSORIES ARE ALSO AVAILABLE UPON REQUEST) | | | | |
|---|-----|---|---|---|
| GSM antenna 900/1800 Mhz | ✓ | ✓ | ✓ | ✓ |
| GSM antenna 850/1900 Mhz | ✓ | ✓ | ✓ | ✓ |
| RS232 cable interface | ✓ | ✓ | ✓ | ✓ |
| Din Clip (metal casing only) | N/A | ✓ | ✓ | ✓ |

| SMART PACK II FEATURES | | | | | |
|-----------------------------|-----|--|---|---|---|
| I/O Monitoring | N/A | ✓ | ✓ | ✓ | |
| GPRS and IP configuration | | ✓ | ✓ | ✓ | |
| Call Screening | | Smart Pack Lite (Local Configuration) | ✓ | ✓ | ✓ |
| DynDNS | | | ✓ | ✓ | ✓ |
| Remote AT Command | | | ✓ | ✓ | ✓ |
| Ping | | | ✓ | ✓ | ✓ |
| Status check and monitoring | | | ✓ | ✓ | ✓ |

Maestro 100evo modems are available in metal or plastic casing.



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