

# 100<sub>evo</sub> 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<sub>evo</sub> 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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