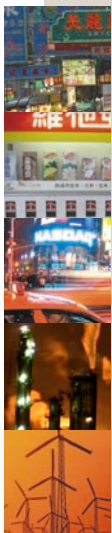# 100 Series

maestro)))
empowering wireless

Easy to use, reliable, industrial modems

Maestro 100 series is the perfect solution for demanding M2M applications. 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.

Maestro 100 modems are Quadband and Full Type Approved, making them immediately usable worldwide.

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.

100 Series

100 : GPRS + Full TCP/IP stack

100 Ext : GPRS + Full TCP/IP stack + extended temperature range

100 Lite : GPRS + basic TCP/IP stack

100 Eco : GSM only

Just use what you need!

Maestro 100 series includes 4 different models developed on the same design but providing different features regarding cellular radio, TCP/IP stack or temperature range. You can thus get all the advantages of instant integration without having to pay for useless features.

100 Series
100
100 Ext
100 Lite
100 Eco

maestro
empowering wireless

Technical information

All Maestro 100 modems are available in metal or plastic casing

FEATURES/PRODUCTS	M100 Eco	M100 Lite	M100
TECHNOLOGY			
GSM	Quadband	Quadband	Quadband
GPRS	N/A	Class 10	Class 10
Voice/Data/Fax/SMS	✓	✓	✓
TCP/IP	N/A	Basic (TCP, UDP)	Full (FTP and E-mails added)
FUNCTIONAL FEATURES			
Input/Output - Digital	1	1	1
Donload Over The Air	Optional	Optional	Optional
AT command set (GSM 07.05, GSM 07.07 and Wavecom)	> 300	> 300	> 300
Autorestore - timer reset	✓	✓	✓
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	✓	✓	✓
OTHER FEATURES			
Operating status LED	✓	✓	✓
Casing	Metal/Plastic	Metal/Plastic	Metal/Plastic
DIN rail mounting	✓	✓	✓
INTERFACES			
SIM Plug-in card reader	1.8/3 V.	1.8/3 V.	1.8/3 V.
RS232 on 15 pin Sub-D connector	✓	✓	✓
Pin power supply connector	4 pin DC	4 pin DC	4 pin DC
SMA antenna connector (50 ohm)	✓	✓	✓
DIMENSIONS Metal / Plastic casing			
Size (mm)	88x60x26 / 90x72x23	88x60x26 / 90x72x23	88x60x26 / 90x72x23
Weight (g)	100 / 70	100 / 70	100 / 70
TEMPERATURE RANGE			
Operating / Storage	-20~+55 °C / -25~+70 °C	-20~+55 °C / -25~+70 °C	-20~+55 °C / -25~+70 °C
Extended Temperature (-30~+75 °C in operation)	N/A	N/A	Optional (**100 EXT**)
POWER SUPPLY			
Input voltage	5 to 32V DC	5 to 32V DC	5 to 32V DC
AC/DC	DC	DC	DC
POWER CONSUMPTION			
GSM 850/900 (PCL 5)	310mA at 5V	310mA at 5V	310mA at 5V
DCS 1800/PCS 1900 (PCL0)	240mA at 5V	240mA at 5V	240mA at 5V
GPRS 850/900 CL10 (PCL5)	N/A	520mA at 5V	520mA at 5V
GPRS 1800/1900 CL10 (PCL0)	N/A	390mA at 5V	390mA at 5V
Idle consumption	35mA at 5V	35mA at 5V	35mA at 5V
CERTIFICATIONS/COMPLIANCES			
CE Certification	✓	✓	✓
GCF Certification	✓	✓	✓
ROHS Compliance	✓	✓	✓
OPTIONAL ACCESSORIES (ADDITIONAL ACCESSORIES ARE ALSO AVAILABLE UPON REQUEST)			
GSM antenna 900/1800 Mhz	✓	✓	✓
GSM antenna 850/1900 Mhz	✓	✓	✓
RS232C cable interface	✓	✓	✓
Din Clip (metal casing only)	✓	✓	✓

Distributor's Contact

Maestro Wireless Solutions Ltd
3603-9, 36/F
118 Connaught Road West
Hong Kong
Tel: (852) 2869 0688
Fax: (852) 2525 4701
contact@maestro-wireless.com
www.maestro-wireless.com