M100
Series

maestro))))

empowering wireless

Easy to use, reliable, industrial modems

The M100 2G, of the M100 series is the perfect solution for demanding M2M applications. Ever smaller and fully-featured, the M100 2G can be integrated easily into any industrial machine from electricity meters to intrusion alarms or vending machines. M100 2G modems are quadband, making them immediately usable worldwide. Boasting the reliability the M100 Series is known for, the M100 2G modems are the perfect devices to use in any of your projects facing tough conditions or extended lifetime requirements.

M100 Series

M100 2G Lite   GPRS/EDGE

M100 2G   M100 2G Lite with:
                            ✓ industrial temperature
                            ✓ 1 digital input / output
                            ✓ 1 analogue input
                            ✓ RTC back-up
                            ✓ voice support

Easy Configuration
The Maestro Smart Pack is loaded in all M100 Series modems to ease device setup and network registration. This application includes much needed features for system integrators such as auto baud-rate detection, auto-TCP/UDP connection, self-healing protocol in case of network failure and many more.

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FEATURES	M100 2G Lite	M100 2G
TECHNOLOGY		
GSM / GPRS / EDGE	Quadband / Class 10	
Voice / Data / Fax / SMS	data / SMS	voice / fax / data /SMS
Internet services	TCP / UDP / FTP / HTTP / SMTP / POP3 / SNMP / SSL	

FUNCTIONAL FEATURES		
Download Over The Air	✓	
AT command set (GSM 07.05, GSM 07.07)	> 300	
Sierra Wireless Open AT™	✓	
Maestro Wireless Solutions Smart Pack	Auto baud-rate detection, auto-TCP/UDP, self-healing protocol, DynDNS, etc.	
Autorestore - timer reset	-	✓
VOICE, DATA AND SMS FEATURES		
Circuit Switched Data (CSD) service	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	Aluminium alloy	
DIN rail mountable	✓	

INTERFACES		
SIM drawer	1.8 / 3.0 V	
RS-232C on 15-pin sub-D connector	✓	
Micro-Fit™ 4-pin connector	power supply (on 2 pins)	
	-	1 x digital input / output (on 1 pin)
	-	1 x analogue input (on 1 pin)
SMA antenna connector (50 Ω)	✓	
DIMENSIONS		
Size without connectors (in mm / inch)	62.8 x 60 x 21.8 / 2.47 x 2.36 x 0.86	
Weight (in g / oz)	90 / 3.18	
TEMPERATURE RANGE		
Operating (in °C / °F)	-20 ~ +70 / -4 ~ +158	-30 ~ +75 / -22 ~ +167
POWER SUPPLY		
Input voltage	5 to 32 V DC	
POWER CONSUMPTION		
GSM 850/900 (PCL 5)	228mA at 5 V	
GPRS class 10 (transfer mode)	403mA at 5 V	
EDGE class 10 (transfer mode)	520mA at 5 V	

CERTIFICATIONS/COMPLIANCES		
CE / R&TTE	✓	
ROHS Compliance	✓	

ORDERING INFORMATIONS		
Modem	M1002GLITE	M1002G
Antenna	ACC-A01	
Serial cable	ACC-CA01	
Power Supply	ACC-PS01	
DIN Clip	ACC-DIN	

Maestro Wireless Solutions Ltd
3603-9, 118 Connaught Rd West
Hong Kong
Tel: +852 2869 0688
Fax: +852 2525 4701
contact@maestro-wireless.com
www.maestro-wireless.com