

Industrial Series

maestro



empowering wireless

Stable, powerful and versatile

Maestro Industrial is the only cellular wireless modem that combines the state of the art self-maintenance capability (Comm Alive function) and a powerful Programmable Logic Controller-like functionality (PLC) with a wide range of interfaces that are essential for demanding M2M applications.

With its rugged metal casing, status leds, optional DIN rail mounting and battery back up capability, Maestro Industrial is the perfect device for critical M2M applications that require maximum communication stability and powerful management of events.

Configurations

Maestro Industrial is available in 2 different options of interfaces and input ports, allowing for maximum flexibility in the application.

MI-01



RS232 on D-Sub 9pin female AND
4 Digital inputs on RJ45

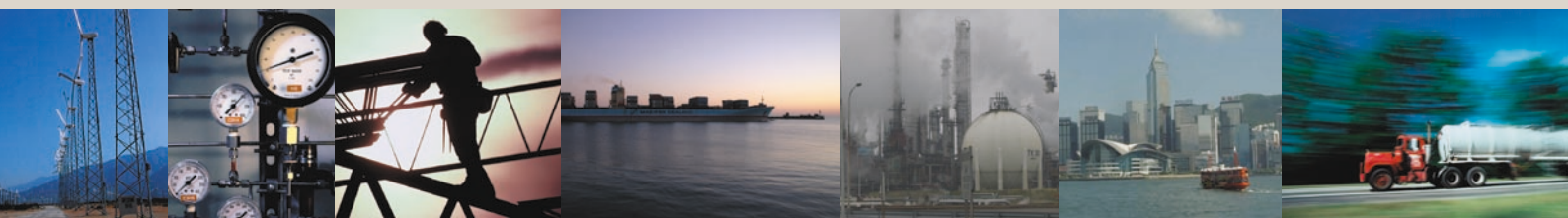
MI-05



RS232 on D-Sub 9pin female AND
RS485 on 2pin terminal block

Comm Alive, the ultimate stability

Industrial devices are often in remote areas and difficult to service. Failures in communication often come from network lock-ups, loss of GPRS routing or network registration and unterminated data calls. Maestro Industrial provides intelligent reset functions, network reattachment and back up modes ensuring the best reliability in communication.





Technical information

TECHNOLOGY	
GSM	Quadband
GPRS	Class 10
TCP/IP	✓

FUNCTIONAL FEATURES	
Programmability	Proprietary script
AT command set (GSM 07.05 and 07.07 and Wavecom)	>300
Modem status autocheck	✓
Autorestore - timer reset	✓

CONFIGURATION	
Software watchdog on microcontroller	✓
Auto-reset	Every 24hrs (only if not in data call) Loss of network authentication > 10 min. Unterminated data call > 1 hour
Configurable GPRS	Automatic re-attachment after time out when no data flow
Send commands over the air	Over SMS Over Data Call Over TCP (GPRS)
GPRS connection backed up by SMS	If data sending by GPRS connection fails, fallback to SMS sending
Programmable Logic Controller-like functionality	Easy but powerful programming and management of events
Events	Digital input (X4); Timer (X4); Counters (X5); Serial event
Action driven by the events	Auto-sending of pre-programmed messages over SMS or TCP socket connection
Example of uses	Get signal strength remotely Send ordinary alarms via GPRS or SMS Event triggered TCP connection Change reset parameters remotely

INTERFACES	
SIM Plug-in card reader	1.8/3 V.
Power Supply	3 pin terminal block
SMA antenna connector (50 ohm)	✓

DATA CONNECTIVITY	
MI-01	MI-05
RS232 on D-Sub 9pin female	RS232 on D-Sub 9pin female
AND 4 Digital inputs on RJ45	AND RS485 on 2pin terminal block

OTHER FEATURES	
Operating status LEDs	10
Casing	Metal
DIN rail mounting	✓

DIMENSIONS	
Size (mm)	170x80x35
Weight (g)	700

TEMPERATURE RANGE	
Operating	-20~+55 °C
Storage	-25~+70 °C

POWER	
Power Supply Input voltage	90VAC to 264VAC or 120VDC to 370VDC
Rated Current Consumption	0.24A
AC/DC	AC or DC
Built in power supply	✓
Battery back-up	Optional

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	✓
Din Clip	✓

Distributor's Contact

Wired and Wireless Solutions International
 Level 7, 6 Help St
 Chatswood, 2067
 Australia
 Tel: +61 294122100
 Fax: +61 294037900
 www.wwsinternational.com.au

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