



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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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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