

# Fargo Maestro 100 (with TCP/IP)

## Fargo Maestro 20

GSM & GPRS at your service.  
900/1800Mhz  
~~~Voice, Fax, SMS and Data~~~



Fargo Maestro 20 (GPRS class 2) and Fargo Maestro 100 (GPRS Class 10) are external Industrial dual band GSM modems in 900/1800 MHz. Powered by the FRENCH TECHNOLOGY from WAVECOM. They can be quickly connected to the serial port of a desktop or notebook computer through their RS 232 interfaces for remote connections.

The connection is made easily through the RS 232 interface, Maestro's metal casing makes it an appropriate solution for tough applications such as Telemetry, Wireless Local Loop (payphones) or as part of a fleet management system. Their small size make them simple to integrate in a space constraint environment. With one programmable I/O port for connection with external device.

- . Voice, fax, SMS and DATA.
- . GSM and GPRS.
- . Fully type approved : R&TTE (GSM approval).
- . CE approved (applicable Electro Magnetic Interference Compatibility and Safety regulations).
- . WIRELESS CONNECTION.
- . AT commands based.
- . TCP/IP stack available for data and Internet on Maestro 100 (optional and upon request)

About GPRS.....

- . GPRS stands for General Packet Radio Services, this features is part of the Fargo Maestro 20 and Fargo Maestro 100.
- . The user can remain "ON" all the time and the data communication speed can rival with that of a cable modem
- . Easy connection to the GSM network.



**NEW : WINDOWS USER FRIENDLY INTERFACE ! (OPTIONAL)**

# Fargo Maestro 100

# Fargo Maestro 20

## Technical information

- Dualband GSM 900 / 1800 Mhz
- For use of Data, SMS, Voice and Fax
- Max Power Output: 2W(900Mhz), 1W(1800Mhz)
- Full voice call, SMS support
- GPRS Class B
  - Maestro 20 : Class 2 ( 2Rx+1Tx)
  - Maestro 100 : Class 10 (4Rx+1Tx or 3Rx+2Tx)
- SimToolKit Class 2
- AT command set (GSM 07.05 and 07.07)
- New:User friendly interface to limit the use of basic AT commands under WINDOWS (optional)

### Voice features:

- Telephony
- Emergency calls
- Full Rate, Enhanced Full Rate and Half Rate (FR/EFR/HR)
- Dual Tone Multi Frequency Function(DTMF)

### Data/Fax features:

- Data circuit asynchronous, transparent and non transparent up to 14,400 bits/s
- Automatic fax group 3 (Class 1 and Class 2)
- MNP2, V.42bis

### Short Messages Services features:

- Text and PDU
- Point to point (MT/MO)
- Cell Broadcast

### GSM Supplementary Services :

- Call Forwarding
- Call Barring
- Multiparty
- Call Waiting and Call Hold
- Calling Line Identity
- Advice of Charge
- USSD
- Closed User Group
- Explicit Call Transfer

### One Programmable Input / Output Port :

- One user programmable input/Output Port for connection to external devices

### More Benefits :

- TCP/IP for Maestro 100 (optional)
- UCS2 character set management
- Support Chinese SMS

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We reserve the right at any time and without prior notice to modify or improve the GSM modem and the services offered, the same applies to the accessories which could also be withdrawn.

### Power requirement :

- Input Voltage: 5V to 32V DC
- Current consumption (@5V) :

|                 | Maestro 20 | Maestro 100 |
|-----------------|------------|-------------|
| Rated           | 450mA      | 650mA       |
| GSM 900*        | 310mA      | 310mA       |
| GSM 1800#       | 240mA      | 240mA       |
| GPRS 900 CL10*  | N/A        | 520mA       |
| GPRS 1800 CL10# | N/A        | 390mA       |
| Idle mode       | 35mA       | 35mA        |

(\* communication mode PCL=5,

# communication mode PCL=0)

### Interface Connections:

- SIM holder
- 15 pin Sub-D connector (serial and audio connection)
- 4-pin power supply connector (micro-FIT™ 3.0)
- SMA antenna connector (50 ohm)

### Dimensions:

- Size : 88mm x 60mm x 26mm
- Weight : 100g
- Temperature range:
  - 15°C to +55°C Operating
  - 20°C to +65°C storage

### Optional Accessories:

- GSM antenna 900 / 1800 Mhz
- RS232C cable interface
- Din clip (to be installed at the back of the Fargo Maestro 100 / Fargo Maestro 20)

### Distributor's Chop



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