



Fargo Telecom



# Maestro 100 New WIP Feature

*A gateway to China & India*





## Agenda

1. Maestro 100 with Q24NG
2. wipSoft
3. wipLib
4. wipSoft/wipLib availability





## 1. Maestro 100 with Q24NG





## Maestro 100 with Q24NG

- Based on Wavecom new Q24NG module
- Basic operation same as old hardware
- New Internet software solutions :
  - **wipSoft** : “AT+WIP” command set replacing edSoft’s “AT#” command set.
  - **wipLib** : new IP library replacing edLib (for developing new OpenAT 3.12 program)





## 2. wipSoft





## wipSoft : new Internet plugin

- New “AT+WIP” command set replacing edSoft’s “AT#” TCP/IP package;
- New features such as : multiple socket connection, “don’t fragment packet”;
- Porting guide from AT# commands to AT+WIP commands available on FTP for Fargo distributors.





## wipSoft: Command Migration Example GPRS connection

<b>edSoft</b>	<b>wipSoft</b>
AT#GPRSMODE=1	AT+WIPCFG=1 AT+WIPBR=1,6
AT#APNSERV="apnname" AT#GPRSCID=1 AT#APNUN="xxx" AT#APNPW="yyy"	AT+WIPBR=2,6,11,"apnname" AT+WIPBR=2,6,12,1 AT+WIPBR=2,6,0,"xxx" AT+WIPBR=2,6,1,"yyy"
AT+CGATT=1 AT#CONNECTIONSTART AT#CONNECTIONSTOP	AT+WIPBR=4,6,0 AT+WIPBR=5,6,0





## wipSoft: Command Migration Example TCP client socket connection

<b>edSoft</b>	<b>wipSoft</b>
AT#TCPSERV="xxx.xxx.xxx.xxx" At#TCPPORT=yyy At#OTCP	AT+WIPCREATE=2,1,"xxx.xxx.xxx.xxx","yyy" AT+WIPCREATE=2,1,1
AT#APNSERV="apnname" AT#GPRSCID=1 AT#APNUN="xxx" AT#APNPW="yyy"	AT+WIPBR=2,6,11,"apnname" AT+WIPBR=2,6,12,1 AT+WIPBR=2,6,0,"xxx" AT+WIPBR=2,6,1,"yyy"
AT+CGATT=1 AT#CONNECTIONSTART AT#CONNECTIONSTOP	AT+WIPBR=4,6,0 AT+WIPBR=5,6,0







## wipSoft: new feature example opening multiple sockets

- To make TCP socket on port 1111 and 2222 :
  - AT+WIPCREATE=2,1,"123.456.789.000","1111" (channel ID 1)
  - AT+WIPCREATE=2,2,"123.456.789.000","2222" (channel ID 2)
- To send data over selected socket :
  - AT+WIPDATA=2,1,0,10 (sending 10 bytes to id 1)
  - AT+WIPDATA=2,2,0,10 (sending 10 bytes to id 2)





## wipSoft : more options for connection settings

- PAP / CHAP selection
- Configurable TTL, TOS, TCP segments
- Configurable TCP send delay,
- TCP connection in polling or transparent mode





## 3. wipLib





## wipLib : New IP library for OpenAT

- Wavecom propriety software solution
- Replacing eDevice edLib
- Works with OpenAT 3.12 or newer





## wipLib : more powerful, more features

- More connection options
- Flexible memory management
- Multiple channel connection capability
- Enhanced functions on high level protocol (e.g. FTP)
- New features are coming (e.g. HTTP )





## wipSoft/wipLib availability

- Dec 2006:
  - wipSoft : TCP/UDP sockets , FTP
  - wipLib : TCP/UDP sockets , FTP
  
- 2007:
  - wipLib : email,HTTP





## Questions?

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