

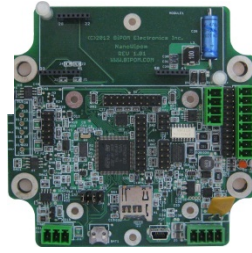


Product Features	nanoWiPOM	WiPOM
		
Processor	STM32 ARM Cortex Processor	STM32 ARM Cortex Processor
Supported OS	FreeRTOS	FreeRTOS
Program Memory	1MB	1MB
Data Logging Capacity	8MB, optional 2GB SD	2GB SD
Battery-backed Clock/Calendar	Yes	Yes
RS232 Serial Ports	1	2
RS485 Serial Ports	1	2 (Overlapped with RS232)
CAN Bus	Optional (Peripheral)	Optional (Peripheral)
USB Device/OTG	1	1
Ethernet	Optional (Peripheral)	Optional (Peripheral)
GPS	Optional (Peripheral)	Yes
Bluetooth®	Optional (Peripheral)	Yes
Wi-Fi	Optional (Peripheral)	Optional (Peripheral)
ZigBee®	Optional (Peripheral)	Optional (Peripheral)
DigiMesh®	Optional (Peripheral)	Optional (Peripheral)
Cell	GPRS (3G, CDMA optional)	GPRS (3G, CDMA optional)
Satellite	N/A	Optional
Spread Spectrum Radio	Optional (Peripheral)	Optional (Peripheral)
Accelerometer	Optional (Peripheral)	Optional (Peripheral)
BiPOM Peripheral Slots	1	2
Power Input	10-30VDC	10-30VDC
Power Use (at 24VDC)	0.1W standby, 1W active, 3W transmit	0.1W standby, 3W active, 5W transmit
Fuse	Self-resetting	Self-resetting
Battery with charger	Optional (Peripheral)	Optional (Peripheral)
LCD Display	Optional (Peripheral)	Yes
Keypad	N/A	Optional
Analog Inputs (12-bit)	2	10 base, 8 more optional
Analog Input Range	4-20mA or 0-5VDC	4-20mA or 0-4VDC
Analog Input Speed	Up to 1000 Samples/second	Up to 1000 Samples/second
Analog Outputs	N/A	4 optional, 12-bit
Analog Output Range	N/A	4-20mA or 0-5VDC
Digital Inputs	4	4 base, 8 more optional
Digital Input Latching	Yes (with software reset for short pulse capture)	Yes (with software reset for short pulse capture)
Digital Outputs	2	2 base, 4 more optional
Digital Output Current	1A @ 24VDC	1A @ 24VDC
Pulse Counters	2	1 base, 1 more optional
Pulse Counter Speed	1Hz to 50KHz	1Hz to 50KHz
Wake-up On	Analog Threshold, Digital Input change, Internal Timer, Clock/Calendar, Wireless	Analog Threshold, Digital Input change, Internal Timer, Clock/Calendar, Wireless
Enclosure	NEMA 4x Enclosure	Aluminum
Temperature	-30 °C to 70°C	-30 °C to 85°C
Dimensions	4.72"L X 4.80"W X 3.58"H	10.0"L X 8.37"W X 3.47"



Easy to Get Started!

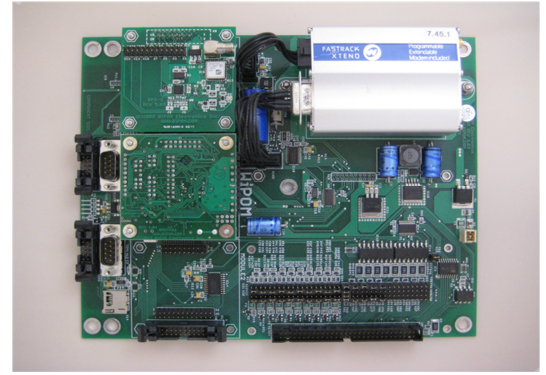
1 Select and install a BiPOM remote monitor



2 Subscribe to a BiPOM Data plan and obtain SIM card(s)



3 Start monitoring your data through BiPOM Web Portal



- Board level and custom solutions for integration into existing systems at a low-cost
- Both nanoWiPOM and WiPOM are available as board offerings as well as custom versions.
- Built-in Modbus RTU
- USB or web based configuration and management
- Highly configurable hardware with off-the-shelf option boards
- BiPOM Web Portal: 24X7 access to data from field devices
- SIM Cards with various plans are available from BiPOM

BiPOM Electronics, Inc.

Control Panel for account demo

My Account: Documents, Reports, Change Password

Device List: WRTU-001

Device: WRTU-001

Device: WRTU-002

Sign Out

Device WRTU-001: Collected Data

Start Date/Time: 01/01/2012 12:00 AM

End Date/Time: 12/30/2012 12:00 AM

Apply

#	Tag Name	Tag Description	Units	Chart	Download	Clear
1	Motor Current	Motor Current in A	341	Show	Download CSV	Clear
2	A02	Analog Input #2	323	Show	Download CSV	Clear
3	Motor Started	Motor Started	366	Show	Download CSV	Clear
4	D02	Digital Input #2	309	Show	Download CSV	Clear
5	D03	Digital Input #3	318	Show	Download CSV	Clear
6	D04	Digital Input #4	308	Show	Download CSV	Clear
7	DO #1	Digital Output #1	0	Show	Download CSV	Clear
8	DO #2	Digital Output #2	0	Show	Download CSV	Clear

Data chart for tag [Motor Current]

2G, 3G, GSM, CDMA, GPS Options
Plans as low as \$5 a month

Option Boards (off-the-shelf, in stock)

- SocketModem®
- Wi-Fi®
- Bluetooth®
- ZigBee® and DigiMesh®
- Motor Controller
- Battery Pack
- Analog and Digital I/O
- Relays
- Thermocouples
- Optoisolators
- Additional Serial Ports
- LED, LCD and OLED Displays
- Temperature/Humidity Sensors



Temperature/Humidity Board



4-channel Thermocouple Board (E,J,K,R,S,T)



9-channel Optoisolator Board

BiPOM Electronics, Inc., founded in 1984 has become the world leader in microcontroller applications for industrial, commercial, and the energy industries. BiPOM has complete engineering, design, development/testing and manufacturing capability to provide customers with concept development, prototypes, production units, field deployment, continuing technical support, and follow-on product improvement/development.