

# AirioMCU

## Wireless Cellular Monitoring & Control



- WIRELESS REMOTE MONITORING OF ANY CONDITION
- ANYTIME, ANYWHERE GLOBAL CONNECTIVITY
- ON DEMAND DATA ACQUISITION AND CONTROL
- NO COMPLEX SOFTWARE OR DATA CENTERS REQUIRED
- NO POWER OR PHONE LINES REQUIRED

### GSM/GPRS COMMS

Anywhere you can use a cell phone, you can monitor and control

### FLEXIBLE IO OPTIONS

Analog & Digital IO for easy connections to any signal type

### TEXT/EMAIL MESSAGING

Real time messaging to multiple cell phones or emails of your choice

### PROGRAMMABLE LOGIC

Powerful Logic controls what actions to take, on what conditions

### WEB BROWSER INTERFACE

Easy Web-based monitoring and configuration

### WATCHDOG TIMER

On board controller ensures reliable and continuous operation

### INDUSTRIAL DESIGN

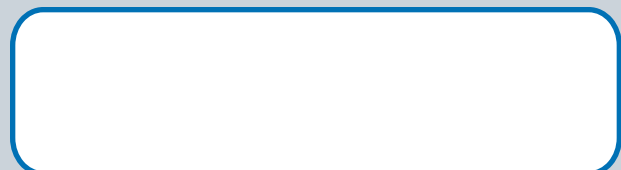
High-density, industrial DIN-rail design, with multiple packaging options

### 12VDC POWER

Allows flexible DC, Solar or Battery power options

proudly represented by:

[www.ioselect.com](http://www.ioselect.com)




## DESCRIPTION

The AirioMCU Wireless Monitor from ioSelect ensures that you always receive important process variable information or alarm notification from any device, anytime or anywhere, even when power and phone lines are not available. The heart of the AirioMCU system lies in its integrated GSM/GPRS cellular interface and microprocessor controlled I/O. This truly makes for a flexible product that works in a number of applications. The unit can send pre-programmed text messages or real time process values to any one (or number of) cell phone numbers around the world -- for instant notification of alarms, or timed-based notification of an alarm or timed event. This information can be sent as an SMS Text message, email, or data string to a PC/PLC/SCADA system. From simple to complex applications: the AirioMCU can easily adapt to the specific requirements.

### AirioMCU

Anytime, Anywhere Cellular Telemetry



AIRIO-MCU-02

#### Interface to Any Process Variable

- Temperature
- Level
- Flow
- Pressure
- Voltage
- Current
- Pulses
- Position
- Status

#### Connect to Any Enabled Device

- Receive Alarm Notifications
- Receive Process Values
- Send Control Commands
- Send Real Time Requests
- Receive Values on demand or on a fixed schedule
- Works with Cell Phone, PC, or any SCADA Device
- Receive Email Notifications (on alarm or timed event)

✓ Easy to Set Up , Easy to Use!

✓ Low Cost of Ownership and Operation!

✓ No Phone Lines or Software Required!

### Typical Packaging Options



#### DIN Mount Enclosure

When existing enclosures and power are available on site, the standard AirioMCU with its DIN-rail mounting is all the packaging that's required.



#### Weatherproof Enclosure

When a weatherproof enclosure is required, the Airio-ENC-01 gives you an easy-to-mount plastic housing with a window door for easy viewing of status LEDs



#### Solar Powered Options

In applications where power is not readily available, the AirioMCU can easily be fitted with a complete solar kit for stand alone operation.

### Typical Application Areas

- Water/Wastewater
- Environmental
- Power/Utilities
- Semiconductor
- Automotive
- Machine Builders
- Pharmaceutical
- Food & Beverage
- Chemical, Oil, & Gas
- Building Automation

### Ordering Information

- |                  |   |
|------------------|---|
| Airio-MCU-2      | Airio Wireless GSM/GPRS Monitor/Controller        |
| Airio-ANT-ENC01  | Airio Enclosure Mount Antenna                     |
| Airio-ANT-EXT-01 | Airio External Mount Antenna                      |
| Airio-SIM-SMS    | Airio SIM Card, Unlimited SMS, 1 year activation  |
| Airio-SIM-GPRS   | Airio SIM Card, Unlimited GPRS, 1 year activation |
| Airio-ENCL-01    | Airio Weatherproof Enclosure                      |
| Airio-ENCL-SLR   | Airio Solar POWER Kit w/ Enclosure                |

For more technical information and application examples, contact ioSelect at (858) 537-2060, or visit [www.ioselect.com/airiomcu](http://www.ioselect.com/airiomcu)