



## MultiCom-IV, Advanced Industrial IoT Solutions. Compact, Precise and In Control...

### Features

- Multiple Communication Options – greater redundancy
- Single and Dual SIM Models
- Integrated I/O ports – DI/AI/DO/Pulse (model specific)
- Expansion module support (RS485)
- Ethernet ports on specific models
- Large sensor capacity including Modbus support
- Cloud platform support over MQTT
- Compact and robust
- Reliable double watchdog feature
- Industrial Design
- Low power usage
- SMS alert and control



Please note all images and specifications may change without notice. E & OE. Please check with your local distributor that you have the latest version.

## INTRODUCTION

The iCE MultiCom-IV is our fourth generation of remote monitoring devices with a focus on Industrial IoT and “out-of-band” communication options. The devices in this range support multiple communication technologies, offering greater flexibility for alerting, viewing and monitoring of remote sensors and devices. In doing so, the MultiCom-IV provides redundancy to further ensure critical environments and equipment remain within their optimized state.

The MultiCom-IV series of devices are more compact and robust with a strong emphasis on redundancy. Depending on model number, devices support a wide range of input options, including Modbus, analog, digital, counter and relay outputs. Sensor types are virtually unrestricted, offering an unlimited application scope and extensive design configurations.

Alerts and control are configurable through the setup interface and over SMS. SMS alerts are triggered directly from the device while remote monitoring and management is available over 3<sup>rd</sup> party, on-premise or cloud based platforms.



## TYPICAL SPECIFICATIONS

Item	Reference Scope
<b>DC Power supply</b>	Standard adapter: DC 12V/2A Range 9-36VDC
<b>Power consumption</b>	Standby:12V/130mA; Working Max.: 12V/500mA
<b>GSM Frequency</b>	850/900/1800/1900Mhz
<b>3G/4G/NB-IoT</b>	Optional: WCDMA/TDD-LTE/FDD-LTE/NB-IoT
<b>TCP/IP stack</b>	TCP,UDP
<b>SIM interface</b>	Dual SIM Card,supporting 3V and 1.8V SIM Card
<b>External antenna</b>	SMA Antenna interface, 50 Ohm, Gain: 3dB
<b>Serial Interfaces</b>	1 USB Port
<b>Protocols</b>	SMS, GPRS UDP,TCP,MQTT, Modbus RTU, Modbus TCP and more equipment protocols can be added according to requirements.
<b>Ethernet</b>	1 RJ45 Ethernet port for connect internet, WAN or LAN.
<b>RS485</b>	2 RS485, Support Transparent transmission and Modbus RTU Slave, Modbus RTU Master.
<b>Digital Inputs</b>	8 Digital input, NC/NO type, first one can be used as Pulse Counters;
<b>Analog Inputs</b>	6 Analog Inputs. 24 bit resolution, 0-5V or 0-20mA or 4-20mA; Optional: each AIN can be changed to PT100 RTD inputs.
<b>Temp.&amp; Humidity Inputs</b>	Temperature range: -40°C to +80°C, Humidity Range: 0~100%RH;
<b>Relay Outputs</b>	4, Rated: 5A/30VDC,5A/250VAC
<b>Power Outputs</b>	1 Port, for external device;
<b>Extend I/O tags</b>	Max.320
<b>Memory Capacity</b>	Internal 8G SD card - saves up to 100,000 events.
<b>Backup Battery</b>	3.7V 900mAH
<b>Temperature range</b>	-20°C ~ +70 °C
<b>Humidity range</b>	Relative humidity 95% (condensation free)
<b>Exterior dimensions</b>	70mm*87mm*52mm
<b>Net Weight</b>	350g

Please note specifications, I/O port counts and connectivity options vary from model to model. Please contact our sales department for specific requirements