



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

Features

■ Multiple Communication Options – greater redundency

■ 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

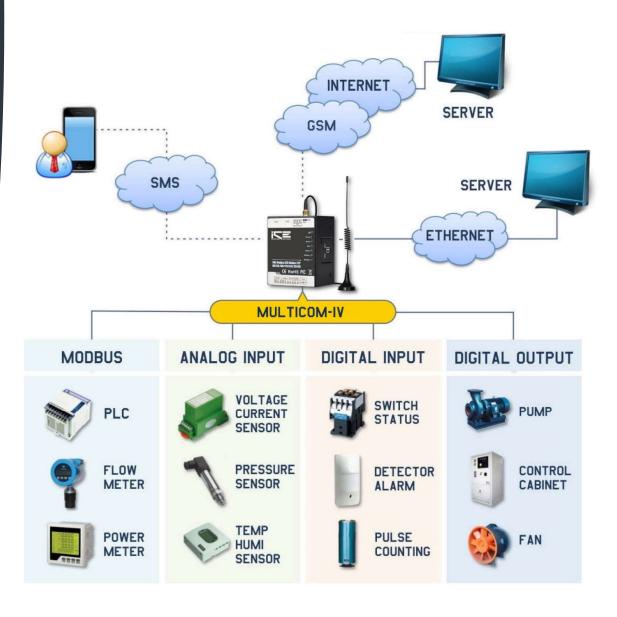


INTRODUCTION

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 3rd party, on-premise or cloud based platforms.



TYPICAL SPECIFICATIONS

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

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