MultiCom-V, Advanced Industrial IoT Solutions. Compact, Accurate & In Control…

Features

- Multiple Communication Options – greater redundancy
- Single and Dual SIM Models (MQTT)
- Ethernet port on specific models
- Multiple sensor capacity including Modbus support
- It does not take up rack-U space
- Low Power Consumption (12V/130mA)
- Internal Battery Backup
- Reliable Double Watchdog Feature
- Vibration Resistant
- Low Power Usage
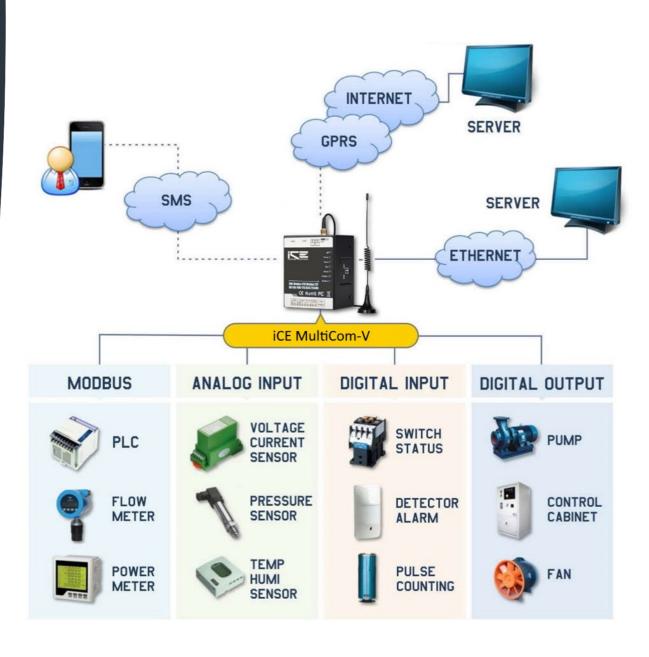- Remote Management and Control
- Expansion Modules (RS485)

INTRODUCTION

The iCE MultiCom-V is our fifth generation of remote monitoring devices with latest generation chip-sets and 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-V provides redundancy to further ensure critical environments and equipment remain within their optimised state.

The MultiCom-V 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 (pulse) and relay outputs (offering remote control). Sensor types are virtually unrestricted, offering an unlimited application scope and extensive design configurations.

MultiCom devices can be updated remotely through the iCE SmartHUB interface and by SMS. SMS alerts are optional and can be triggered directly from the device while remote monitoring, management, and control are available over the iCE-NEO central cloud platform with Telegram and email alerting and push notifications (App).

iCE-NEO CLOUD INTERFACE

The iCE MultiCom-V series of controllers can be monitored over the iCE-NEO cloud-based platform. Sensor status, conditions, and real-time information can be viewed remotely including historical data and trends.

The map view offers live indicators of remote sites, branches, and sensor conditions. Google Maps is used for accurate location tracking and identification with full drill-down functionality.

Multiple tabs and screen views are ideal for individual or video-wall representation. For more information on iCE-NEO visit: https://www.ice-takecontrol.com/iot

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-Iot	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