

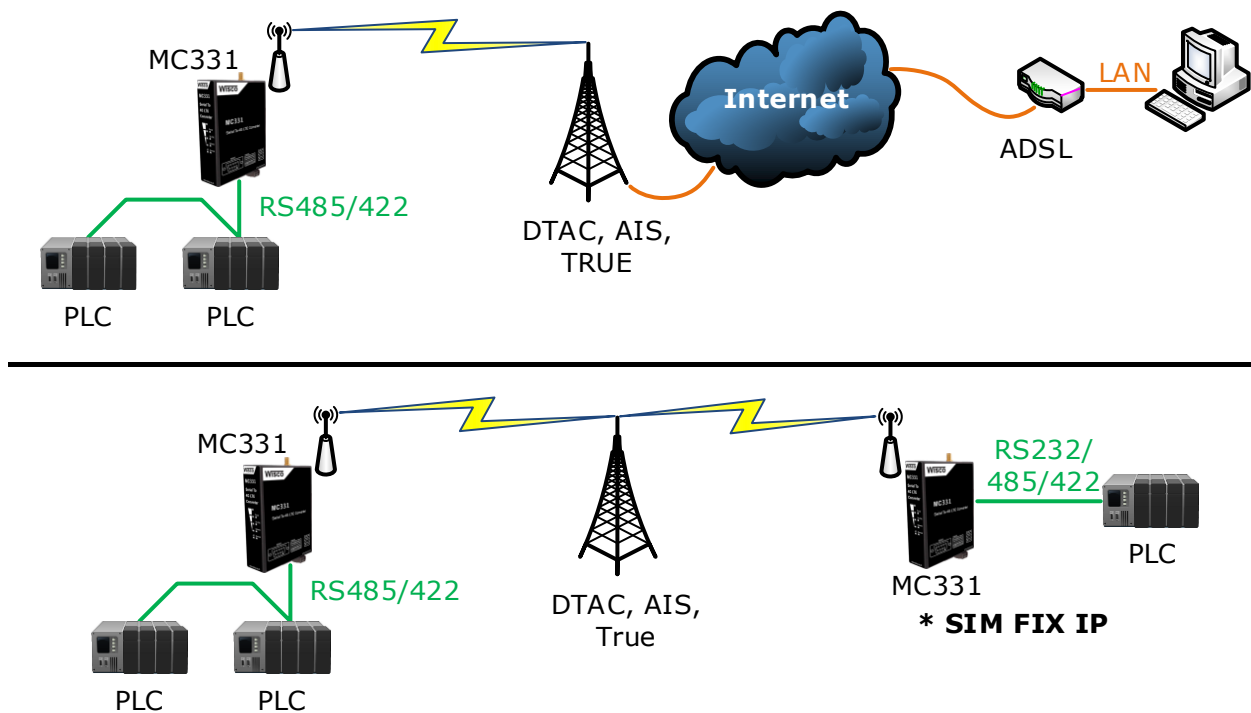
Serial to 4G LTE Converter MC331



- Control Serial Device Over 4G (LTE)
- Built-in 4G Modem
- Simultaneously 4 Connect Device
- Extend Serial Connection Distance
- Serial Interface Compatible
RS232/485/422

Serial to 4G LTE Converter MC331 This device enables equipment with RS232 or RS485/RS422 ports to transmit data over 4G (LTE) cellular networks while remaining compatible with existing software, thereby eliminating serial port limitations for connectivity.

The MC331 operates in Virtual COM Mode. When using a computer application to communicate via the MC331 over a 4G connection, a COM port can be emulated, eliminating the need for any physical COM port-related hardware on the computer itself.



Specifications

Cellular Interface

Frequency Bands:

FDD LTE: 800/850/900/1800/2100/2600 MHz

TDD LTE: 2300/2500/2600 MHz

WCDMA: 850/900/2100 MHz

GSM: 900/1800 MHz

LTE Version: 3GPP E-UTRA Release 10

Data Transfer (Max.):

FDD LTE: 150 Mbps (DL), 50 Mbps (UL)

TDD LTE: 130 Mbps (DL), 35 Mbps (UL)

DC-HSPA+: 42 Mbps (DL), 5.76 Mbps (UL)

UMTS: 384 Kbps (DL), 384 Kbps (UL)

TD-SCDMA: 4.2 Mbps (DL), 2.2 Mbps (UL)

EDGE: 236.8 Kbps (DL), 236.8 Kbps (UL)

GPRS: 85.6 Kbps (DL), 85.6 Kbps (UL)

Output power:

FDD LTE 1800: 3.21 W

TDD LTE 2600: 1.7 W

WCDMA 850: 2.69 W

GPRS 900: 2.1 W

EDGE 900: 1.66 W

Ethernet Interface

Speed: 10/100 Mbps, Full-duplex or
Half-duplex, Auto MDI/MDIX

Connector: RJ45

Standard: 10 Base-T/100 Base-T Standard

Transmission: 100 m.

Ordering Information

Example MC331

Package Checklist

1. MC331
2. LAN Cable
3. Antenna

Serial Interface

Serial Standards:

RS232 Through D-Type 9 Pin Connector

RS485/422 (Isolated) 5 Pin Terminal Block

Loading: RS485 Max 32 Unit

Distance:

RS232 Length 15 m.

RS485/422 Length 1 Km.

Serial Parameter

Baud Rate: 1200, 2400, 4800, 9600, 19200,
28800, 38400, 57600, 115200

Data Bits: 7, 8

Stop Bit: 1, 2

Parity: None, Odd, Even

Power Requirements

Power Supply: 12 to 35 VDC

Power Consumption

Standby: 120 mA @ 12 VDC (1.5 W)

Upload Data: 200 mA @ 12 VDC (2.5 W)

Environmental Limits

Operating Temperature: 0 to 55 °C

Operating Humidity: 5 to 95% RH

Storage Temperature: 0 to 70 °C

Physical Characteristics

Dimension: W30 x H122 x D98 mm.

Mounting: DIN Rail

Warranty

Warranty Period: 5 Year