



# MPC-214

Wireless Multi-Protocol Gateway



## Features

- Quad Band 3G Modem (850/900/1800/1900MHz)
- Virtual Com extend for serial access over GPRS
- Serial port selection between RS-232C, RS-422 or RS-485 (4 & 2 wire)
- Automatic or SMS triggered GPRS connection
- Power supply 12 to 24VDC
- Windows drivers for Virtual Com & TCP Server
- DIN-Rail mountable

## Introduction

MPC-214 is an intelligent serial to GPRS gateway for M2M applications. In combination with special drivers on a remote PC, it can establish a link between PC software and remote RS-485 devices over GPRS. Legacy serial equipment can be connected over a GSM/GPRS network to software systems with serial connectivity. According to user configuration, MPC-214 connects to a fixed IP upon start up or after the receipt of an inquiry via SMS. It can thus provide a protocol independent serial link to the attached serial slave device(s) over TCP/IP.

## Modes of Operation

Simple ASCII configuration commands are used for unit setup and control. The commands can be passed to the unit via the serial port or an SMS. Several commands can be packed in one SMS. Modes of serial bridging include:

- A GPRS connection to a virtual COM server with fixed IP.
- Answer to a data call of a remote GSM modem on Master side.

RoHS Compliant  
Directive 2002/95/EC



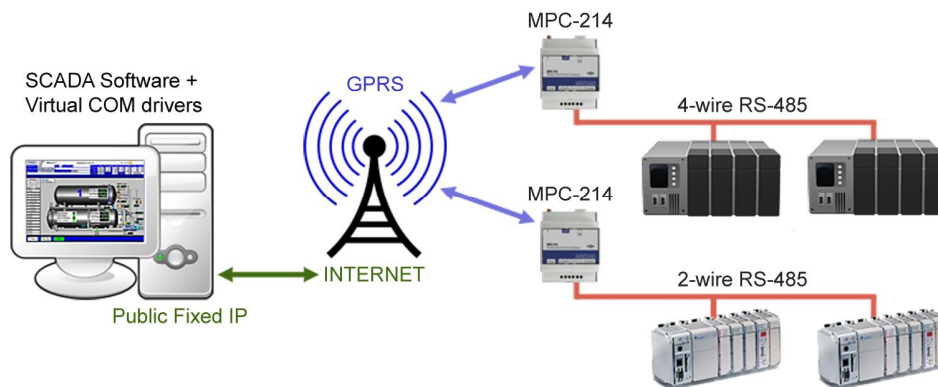
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### Specifications

Power supply	9..24 VDC, 26VDC max
Rated current (EGPRS)	200mA at 12V, Peak: 0.52 100mA at 24V, Peak: 0.26
MODEM	Sierra Wireless Quad Band GSM/EGPRS (850/900/1800/1900MHz)
Serial port	RS-232C RS-422/RS485, 4-wire RS-485, 2 wire
Baud rate	300-115200 bps
Operation modes	GPRS Auto-Connect GPRS SMS-Connect GSM Data Auto-Answer
Configuration	ASCII Commands 3 DIP Switches: Termination (T,R), RUN/SETUP/TRACE
Indications	Status LED
Temperature	-30° ... 65°C, operating
Dimensions	71 x 90 x 58 mm
Installation	DIN-Rail



Typical Application

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