CE

Middle range multi-channel radio modem *RS485* WITHOUT A LICENCE

MC 120

The MC120 enables **two-way half duplex wireless data transmission** over a range of **1500 m**. It integrates a **multi-channel radio transceiver**, **a digital processing unit and a wide power supply range** on the same board.

It is available as an **IP65 enclosure** ready for approved use with integrated or remote antenna.

This modem uses the **863/870 mHz** (Europe) band according to the European directive RTTE EN300-220/EN 301-489.

Data transfer is performed via an **RS232/RS485 serial port** or **USB interface**.

Configuration is performed by **AT commands**.

It can be used **WITHOUT A LICENCE** and covers most "**middle-distance**" **wireless data transmission** applications, from remote meter reading type **point to point transmission** to constitution of **cordless multipoint local networks**, in sector of activity such as **automation**, robotics, **remote management**... and more generally **all types of applications requiring middle range or in a particular disturbed environment**.
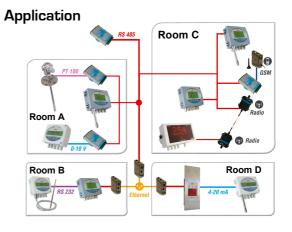
▪ *Technical feature*

RF

Programmable frequecies	863 to 870 MHz
Radiated RF power	50mW (+17dBm)
Sensitivity	-105dBm
Number of channels	14 (WB) – 70 (NB)
RSSI	Available through AT commands
Modulation	FSK
Radio data rate	up to 57 600 bits/s
Embedded protocols	enhanced and versatile RF comms manager
Embedded profiles	Multimode modem

Modem interface

Serial link rate	0,6 to 115,2 kBps
Serial ports	RS232 (TxD, RxD, RTS, CTS) or RS485 USB 'Virtual port COM'
Flow control	None or RTS/CTS
Configuration	Through AT commands
Modes	Transparent or addressed

General information

Supply voltage	8 to 32 V
Consumption	60 mA in transmission, 30 mA in reception (under 8V)
Operating temperature	from -20 to +70°C
Range	1500 m in free field
Size	145 x 100 x 40 mm + 85mm antenna
Packaging	IP65 box
Standard compliance	EN300-220 / EN301-489 (Full certified modem)

Application

www.kimo.fr

EXPORT DEPARTMENT
Tel : + 33. 1. 60. 06. 69. 25 - Fax : + 33. 1. 60. 06. 69. 29
e-mail : export@kimo.fr

Distributed by :