WAVETREND))

Wavetrend's RX210 is an Active RFID Reader that supports long distance connection to host computers via RS485, in either star or daisy chain topologies. It is intended for use in systems that track tagged assets such as containers, plant and machinery or high value items. In addition, it is used for monitoring personnel in health and safety and security applications.

SERIAL READER RX210

Key Features

Benefits

Key Features	Benefits
Compatibility	Detects and decodes RFID signals from all of Wavetrend's range of Active RFID Tags
Flexible host connectivity	Sends decoded Tag and associated metadata to a host computer via RS485, RS232 or USB interfaces
Comprehensive Tag data and Reader status information available	Enables management of tagged items and the automation of business decisions based on accurate / real-time knowledge of location
Configurable site code and signal strength filters	Provides control over Tags being read
Supports a range of Antennas	Compatible with both directly connected and cabled Antennas
Long read range	Can detect Wavetrend Active RFID Tags up to 150m, subject to the appropriate Antenna being fitted and installation/environment conditions
Flexible configuration	Can be dynamically configured over network, serial and USB interfaces
High performance receiver	Features adaptive gain and maintains Tag reads in noisy backgrounds
Up to 255 unique receiver addresses possible	Long RS485 networks possible

People Tracking & Management

People Safety

Time & Attendance /Access Control

Asset Tracking & Management

Supply Chain, Vehicle & Contents Tracking

Art Protection

SERIAL
READER RX210

Specifications

Environmental
Operating temperature	-20°C to +50°C
Storage temperature	-30°C to +60°C
Humidity	5% to 90% (non-condensing)

Physical
Size	105mm x 58mm x 28mm
Weight	118g
Colour	Grey
Material	Aluminium

Radio
Receive frequency	433.92 MHz
Read range	Up to 150m (actual range is determined by the choice of Antenna used with Reader and the usage environment)

RF Input
	50 Ohm SMA Female

Electrical
Supply voltage	7V-16V DC
Maximum current consumption	60mA
Power socket	DC socket suitable for 5.5mm outer diameter, 2.5mm inner diameter, barrel plug with centre positive

Connectivity
Serial data rate	9,600 - 115,200 bps
Interface	RJ45 for RS485 & RS232, USB Mini-B

Certification
	CE and FCC - can be deployed in all countries that recognise these regulatory frameworks

To order or for further information ....

WAVETREND))

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