



COMING SOON



Quattro - R4321P

Compact 4-port
RAIN RFID Reader

Features

- RAIN (UHF EPC Class1 Gen 2 ISO 18000-63) Compliant
- Multiregional support
- Four 50 Ohm TNC-RP antenna connectors
- Power over Ethernet interface
- Up to 31.5 dBm (1.4 W) output power
- Internal scripting engine
- USB host port
- PoE or external power supply

Applications

- RAIN RFID portal for logistic
- Industrial automation reading points
- RAIN RFID tunnels
- Access control reading points
- Smart shelves, smart displays

General Info

The Quattro (Model R4321P) is a compact long range RAIN RFID reader of the easy2read® product line, well suited for retail and warehousing installations.

The Quattro reader has 4 antenna ports capable of a 31.5 dBm maximum power enabling to build RAIN RFID portals for long range reading. Its slim form factor makes it easy to install even when limited space is available. It offers the Ethernet (PoE) and USB communication interface in order to simplify the installation both on large and single read point installations. The Power over Ethernet capability permits to provide power and to communicate with the reader with a single cable.

The USB host port, combined with the internal computing architecture, permits to connect USB peripherals like barcode scanners, keyboards, printers and many others transforming the Quattro reader in a powerful and versatile identification platform.

The Quattro is based upon an embedded Linux platform and it's easily configurable using an internal web interface. System integrators can customize the behavior of the reader installing Java code that, having access to all the RFID features and interfaces, permits a full customization.

The Quattro reader complies with and can operate in both European and US regulatory environments and, due to its multiregional capabilities, it's ideal for integration in devices requiring compliance to different geographical regions.



- Embedded Readers
- Mobile Readers
- Integrated Readers
- Fixed Readers
- Temperature Loggers

easy2read[®] product line

The easy2read[®] product family constitutes a complete and reliable product line of RAIN RFID readers for any Auto-ID need. A reading range from a few centimetres up to 7-8 metres distance makes the easy2read[®] family suitable for applications such as access control, RFID gates, desktop reading or OEM modules for integration into handheld or printer devices.

Technical Specifications Table

Frequency Range	– 865.600÷867.600 MHz (ETSI EN 302 208 v3.1.1) – 902÷928 MHz (FCC part 15.247)
RF Power	– Up to 31.5 dBm (1.4W) conducted (ETSI) – Up to 30 dBm (1W) conducted (FCC)
Number of Channels	– 4 channels (compliant to ETSI EN 302 208 v3.1.1) – 50 hopping channels (compliant to FCC part 15.247)
Standard Compliance	EPC C1 G2 / ISO18000-63
CPU	ARM9 @ 400Mhz on Atmel AT91SAM9G25
Operating system	Linux (Debian)
Receiving Capability	Gen 2 Dense Reader Mode Management Data rate up to 400 Kb/s USB 2.0 Hi-Speed (480 Mbit/s) device port (USB mini connector) Virtual COM port parameters: – Baudrate: up to 115200 kbps – Databits: 8 – Stopbits: 1 – Parity: none – Flow control: none Ethernet 10/100/1000BASE-T (RJ45) POE standard IEEE 802.3af
Connectivity	10 Poles Terminal Block with screw connection 2 digital inputs optically isolated 2 solid state photorelay outputs optically isolated (500mA max)
I/O Interface	4 TNC Reverse Polarity
Antenna Connectors	5 VDC power supply (12W) POE standard IEEE 802.3af (12,95W)
Electrical Power	Multicolour LEDs: Power, Activity, Status and Applications
Visual Status Indicators	-10°C to +55°C
Operating Temperature	IP30
IP Rating	(W)210 x(L)140 x (H)27 mm ³ 8.27 x 5.51 x 1.06 inch ³
Dimensions	740 g
Weight	



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