

R4320P

Proton

Industrial 4-port RAIN RFID Long Range Reader





BENEFITS	Industrial IP65	M12 connectors	High Sensitivity	Customizable with Javacode	PoE	Web Config. Interface
Features		Over	view			
- RAIN RFID (UHF I ISO 18000-63) co	ompliant		oton (Model R432 ead [©] product line,			FID reader of the ent installations.
 Multiregional sup Four 50 Ohm TNG connectors Power over Ether Up to 31.5 dBm (Internal scripting IP65 in compact (C-RP antenna rnet interface (1.4W) output powo e engine	enablin it easy t installa er standar	g to build RAIN RF to install and the IF tions. Featuring P	ID portals for logi 65 protection per ower Over Ethern rs the Proton	stic. Its compact f mits outdoor or h net, RS232 and G	n maximum power form factor makes arsh environment PIOs via industry ce for industrial
- PoE or external p - M12 industrial co - Development Kit	oower supply onnectors	configu the bel	rable using an inte	ernal web interface er installing Java	e. System integrat code that, having	m and it's easily ors can customize access to all the
Applications					•	European and US
- RAIN RFID portal - Industrial autom - RAIN RFID tunne - Access control re	ation reading point ls	intogra	tion in solutions			lities, it's ideal for ent geographical







Technical Specification Table

Frequency Range	- 865.600÷867.600 MHz (ETSI EN 302 208 v. 3.1.1) - 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 v. 3.1.1) - 50 hopping channels (compliant to FCC part 15.247)
Standard Compliance	EPC Class 1 Gen 2 - ISO18000-63
CPU	ARM9 @ 400MHz on Atmel AT91SAM9G25
Operating System	Linux
Receiving Capability	- Gen 2 Dense Reader Mode Management - Data rate up to 400kb/s
Connectivity	 RS232 Serial Communication (M12 connector) Baudrate up to 115.200kbps Databits: 8 Stopbit: 1 Parity: none Flow control: none Ethernet 10/100/1000Base-T (M12 connector) PoE standard IEEE 802.3af
I/O Interface	 M12 connector 2 digital inputs optically isolated 2 solid state photorelay outputs optically isolated (500mA max)
Antenna Connectors	4 TNC Reverse Polarity
Power Supply	- 9÷36V DC power supply (12W) - PoE standard IEEE 802.3af (12.95W)
Status Indicators	Multicolour LEDs: Power, Activity, Status and Applications
IP Rating	IP 65
Dimensions	- (W)131 x (L)106 x (H)50 mm³ - 5.15 x 4.17 x 1.96 inches³
Operating Temperature	-10°C to +55°C
Weight	530 g.

Ordering Options

WR4320PXAAAA	Proton - Industrial Long Range Reader
WR4320PXDKEU	Proton - ETSI Dev. Kit
WR4320PXDKUS	Proton - FCC Dev. Kit
WALIM0000006	Proton power supply - EU
WALIM0000007	Proton power supply - US

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