UHF LONG RANGE READER

UHF stationary reader 4 ports

R-UHF-R700

Product info

- Unsurpassed reading performances

- GS1/EPCglobal UHF Gen2 v2 (ISO 18000-63) compliant

- 4 antenna ports configuration (up to 32 ports using the antenna HUB)

- Ethernet and serial (via USB to RS232 adaptor) communication interfaces

- Built-in GPIOs

- Supports Datamars Cloudburst software

- Powered through Power over Ethernet (PoE or PoE+)

Product Description

Brought to the Laundry market as part of Datamars partnership with Impinj, the UHF Long Range Reader delivers outstanding reading performances when used with Datamars UHF LaundryChip™ transponder family. The R-UHF-R700 reader is powered exclusively through Power over Ethernet (PoE or PoE+) via Ethernet port. For applications where the reader is not connected to a PoE/PoE+ capable switch, user can simply add a PoE/PoE+ power injector to add inline power to a standard network connection.

An optional software layer named Cloudburst has been developed by Datamars to take full advantage of the reader in a laundry environment. Cloudburst enables users to easily integrate the UHF reader with no need of software development to control tag reading activity and retrieve EPC codes on Ethernet as well as on a serial port.

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UHF LONG RANGE READER

Technical data

Dimensions (L x W x H)	215 x 187 x 30 mm (8.4 x 7.4 x 1.2 inches)
Weight	0.96 kg (2.12 lbs)
Operating temperature	-20 °C to +50 °C (-4 °F to 122 °F)
Humidity	5 % to 95 %, non-condensing
Power supply	Power over Ethernet (PoE) IEEE 802.3af Power over Ethernet (PoE+) IEEE 802.3at
Power consumption	PoE: 15.4 W maximum PoE+: 30 W maximum
Operating frequency range	865-960 MHz – specific bands covered by different models
RFID compliance	GS1/EPCglobal UHF Gen2 (ISO 18000-63)
Transmit power	FCC: 30.0 dBm PoE / 33.0 dBm PoE+ ETSI: 30.0 dBm PoE / 31.5 dBm PoE+
Receive sensitivity	-92 dBm (maximum)
Return loss	10 dB (minimum)
Antenna ports	4 monostatic
GPIO	2 optically isolated inputs (30 V DC max.) 3 optically isolated outputs (30 V DC max.) 5V, 500 mA max. power supply output available
Interfaces	10/100/1000 BASE-T Ethernet, RS-232 (via USB to RS232 adaptor)
Warranty	1 year

Ordering information

R-UHF-R700 (ETSI/FCC)	ETSI: 800 3075-310 FCC:800 3075-311
R-UHF-R700 CB (ETSI/FCC) with Cloudburst SW pre-installed	ETSI: 800 3075-312 FCC: 800 3075-313
PoE+ Power injector	402 3075-155

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