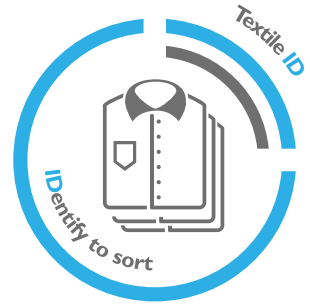


# UHF LONG RANGE READER

## R-UHF-SR420 / SR220

UHF - multi read



### Customer benefits

- EPCglobal UHF Class 1 Gen 2 / ISO 18000-6C RFID reader/writer for long-range applications
- Reading all fully EPCglobal UHF Class 1 Gen 2 / ISO 18000-6C compatible transponders
- 2 and 4 antenna port configurations
- Compact form factor
- Power over Ethernet (PoE) simplifies deployment and significantly reduces cost of installation
- Quality design delivers industry's highest reliability

### Product description

Datamars is proud to offer the UHF Long Range Reader to complement its NOVO transponder family as part of its complete UHF solution for the industrial laundry market. Brought to you as part of our partnership with Impinj, the Long Range Reader is available with two or four antenna ports and reads all EPCglobal UHF Class 1 Gen 2 ISO 18000-6C compliant transponders.

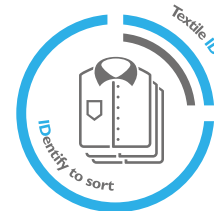
With its compact form factor and support for new features such as Power over Ethernet (PoE), this reader family delivers increased application and deployment flexibility.

PoE simplifies deployment and dramatically reduces cost by eliminating the need for AC outlet installation at read points.

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### Technical Data

Dimensions (LxWxH):	19 x 17.5 x 3 cm (7.50 x 6.90 x 1.20 inches)
Weight:	680 g (1.5 lbs)
Temperature:	Operating: -20°C to +50°C (-4°F to 122°F)
Humidity:	5%-95%, non-condensing
Operating Frequency:	865-960 MHz
Power Supply:	Power over Ethernet (PoE) IEEE 802.3af +24VDC @ 800mA via external universal power supply with locking connector—sold separately
Transmit Power:	+10.0 to +30.0 dBm (PoE) +10.0 to +32.5 dBm (external universal power supply)
Max. Receive Sensitivity:	-82 dBm
Min. Return Loss:	10dB
Antennas:	4 high performance, monostatic antenna ports (SR420 reader) 2 high performance, monostatic antenna ports (SR220 reader)
Power Consumption:	PoE at +30 dBm: 3W (idle) - 11.5W (typical) - 6W (LDC) Power supply at +30 dBm: 3W (idle) - 13.5W (typical) - 6W (LDC) Power supply at +32.5* dBm: 3W (idle) - 15W (typical) - 6W (LDC) *maximum is 31.5 dBm for ETSI region readers)
GPIO:	4 inputs, optically isolated 3-30V; 4 outputs, optically isolated, 0-30V, non-isolated 5V, 100mA supply (DB-15)
Product Code:	R-UHF-SR420 (4 port reader) R-UHF-SR220 (2 port reader)