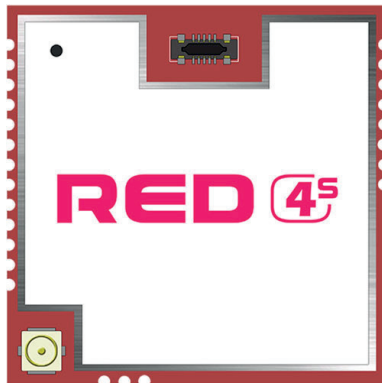


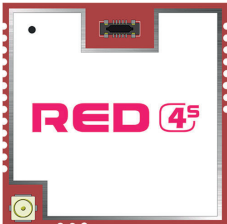
RED 4s UHF



RED 4s OEM RFID UHF module offers superior performance, small form factor and advantages in time-to-market to customers.

Applicable for high performance RFID reader but also suitable for small-sized mobile RFID reader.

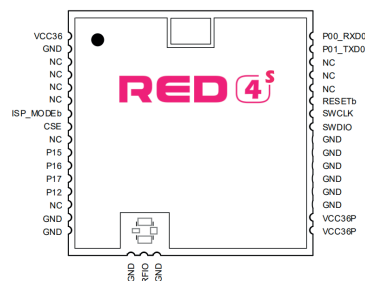
Key features	Key Benefits
Leakage cancellation	<ul style="list-style-type: none"> Automatic Tx Leakage Cancellation Less variation by different antenna Easier optimization
Pre-qualified, pre-tested, RF design fully integrated	<ul style="list-style-type: none"> Highly reliable solution Easier design / save development time
Micro-sized form factor	<ul style="list-style-type: none"> SMD-like component to fit small applications
Fully integrated	<ul style="list-style-type: none"> Integrated Reader chipset, TCXO, Balun, Coupler, Saw Filter, Power Amp and low pass filter
Compatible with EPC Gen2 V2.0	<ul style="list-style-type: none"> Future-ready module

Product	Output Power	Read Range	Size (W x L x H)
	27dBm	2.5m with 2.5dBi antenna in anechoic chamber	24 x 24 x 3mm

V2.0
Non contractual document

RED 4S	
Reader Chipset	PR9200
Air Protocol	ISO 18000-63(6C)/EPC Gen2
Channel Share	Frequency Hopping or LBT (Listen-Before-Talk)
Modulation	DSB-ASK
Encoding	Miller 2, 4, 8 and FM0 (default M8)
Interface	UART(default)
Supply Voltage	3.3V (DC±5%)
Output Power	27 dBm typ. (Adjustable by 1dB step)
Dynamic Range	8dB typ.
Power Consumption	540mA @ 25dBm CW 20mA @ idle mode > 10mA @ power down mode
Leakage Cancellation	Available
Max Read Range	2.5m with 2.5dBi antenna (in anechoic chamber)
Size (W x L x H)	24 x 24 x 3mm
Weight	3g

Pin diagram



We suggest



Antenna QUBE
Ceramic Antenna



Antenna PATCH
Ceramic Antenna

V2.0
Non contractual document