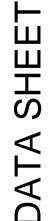




RFO 1500RS

(1500 mW UHF Reader 4 antenna connectors 10cm - 10m read range*)





Product Description	RFO 1500RS
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The RFO 1500RS reader is an UHF multi protocol reader for long range applications.

With programmable output power in 256 steps from 17dBm to 32dBm, the reader can detect tags up to 10m of distance (depending on antenna and tag dimensions).

Due to its form factor, the module is specifically designed to be easily installend for UHF tag programming and reading.

The RFO 1500RS is fully compliant to the European regulations ETSI EN 302 208 and ETSI EN 300 220 and supports Philips UCODE EPC 1.19, ISO 18000-6B, and EPC Class1 Gen2.

The RFO 1500RS is ideal for healthcare applications that require a long range RFID reader engine featuring up to 4 antennas.

Optional with ETHERNET or USB.

Electrical Char	acteristics		
Operating Freque	ncy	865.6 ÷ 867.6 MHz (ETSI EN 302 208)	
UHF Standards		ISO 18000-6B, Philips UCODE EPC 1.19, EPC C1G2	
Output Power		SW programmable Max.: 1.5 W (32 dBm) conducted	
Number of channels		4 channels compliant to ETSI EN 302 208	
Frequency tolerance		±10 ppm over the entire temperature range	
Read range		Depending on the performance of the transponder, frequency, chip type and the system environment.	
Communication interface		RS232 via 9 D-Sub (cable length up to 15 m)	
Digital I/O		Five I/O lines 3.3 V out, 5 V tolerant (optional) via aditional D9-Sub connector	
Power supply		15V± 5% VDC external power supply	
Power consumption		1 A @ 15 V (TX/RX mode), - 260 mA @ 15 V (idle mode)	
Operational temperatur		from - 20°C up to 70°C	
Size		Size: 230 x 120 x 35 mm ± 0,3 mm	
Protection class		Housing IP54	
Antennea connector		4 x SMA connector / 50 Ohm, 1 SMA for LBT (Listen Before Talk)	
Certificates		ETSI	
max. cable length		up to 10m	
Housing		Aluminium / black painted	
Weight		915 gr	
Article No.:	1500mW / 4 SMA Anter	nna connector + 1LBT	RFO 1500RS
Typical Applica	ations		
harsh environment applications Healthcare / Hospital / Clinic		nic	
automotive industry and laboratory		identification and back tracing	
bio/chemistry/forensic/pharmacy/environment		beverages logistics	

