



**AGX RadioForce
HR 200USB**
(200 mW UHF Reader
10 cm - 1 m read range)

Product Description	AGX RadioForce HR 200USB	
<p>The AGX RadioForce HR 200USB reader is an UHF multiregional compact reader for medium UHF RFID applications.</p> <p>With programmable output power in 15 levels from 9dBm to 23dBm (from 8 mW to 200 mW), the reader can detect tags up to 1m of distance (depending on antenna and tag dimensions).</p> <p>The radio frequency core of the module allows to achieve fast reading/writing and operation in dense reader and dense tag environments for top-class rated performances.</p> <p>The AGX RadioForce HR 200USB complies with and can operate in both European and US regulatory environments and, due to its multiregional capabilities, it's ideal for integration in devices requiring compliance to different geographical regions.</p>		
Electrical Characteristics		
Operating Frequency	902÷928 MHz (FCC part 15) 865.600÷867.600 (ETSI EN 302 208)	
UHF Standards	EPCglobal Gen 2 (ISO 18000-6C) with DRM, ISO 18000-6B (optional) and IP-X (optional)	
Output Power	Programmable in 15 levels (1dB step) from 9dBm to 23dBm (from 8mW to 200mW) conducted	
Number of channels	4 channels (compliant to ETSI EN 302 208) 50 hopping channels (compliant to FCC part 15)	
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. RadioForce HR 200USB (10cm - 1m)	
Communication interface	One USB 2.0 Full Speed (12 Mbits per second) device port.	
Digital I/O	4 I/O lines 3.3V out @ 3mA; 3.3V input level	
Power supply	4.75VDC ÷ 5.25VDC via USB	
Power consumption	1.6W @ RF out = 23dBm, 1.3W @ RF out = 17dBm, 0.25W in idle mode	
Operational temperatur	from - 10°C up to 55°C	
Size	Size: 180mm x 86 mm x 45 mm ± 0,3mm	
Protection class	IP54	
Antennea connector	SMA connector / 50 Ohm	
Certificates	FCC, ETSI	
max. cable length USB/antenna	up to 2m	
Gehäuse	Aluminium / black painted	
Weight	180 gr	
Article No.:	200mW incl. antenna inside	AGX RadioForce HR 200USB
Typical Applications		
harsh environment applications	Sport events	
automotive industry and laboratory	identification and back tracing	
bio/chemistry/forensic/pharmacy/environment	beverages logistics	

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