

# CF-RU5508/-T

Cititor de distanta mare pentru cartele UHF pasive

## Continut



## Descriere

Acest cititor UHF de distanta mare poate citi/ scrie cartele UHF GEN2 cu cipuri Alien, U-Code, IMPINJ si altele. Se utilizeaza cu precadere in sistemele de control acces auto datorita distantei mari de citire (20m) si directionalitatii antenei insa pot fi utilizate si in aplicatii speciale ce necesita citirea rapida si precisa a unui numar mare de cartele simultan: logistica, competitii sportive, securitate pe santiere - evitarea accidentelor datorita unghiurilor de vizibilitate moarte, productie industrială, etc.

## Caracteristici

- Scanare automată Port Com / Retea
- Suport pentru actualizarea firmware-ului
- Suport Export/Import Configuratie
- Banda de frecventa 865.6~867.6MHz (consultati lista cu benzile disponibile pentru fiecare tara in parte, ANEXA 1)
- Suporta functionare automata, interactiva sau declasanta
- Mod parolă
- Citire eticheta specifica
- Iesire releu NO/NC
- Cache de date
- Protocoale multiple de comunicare personalizabile
- Ascultare de la distanță
- RSSI

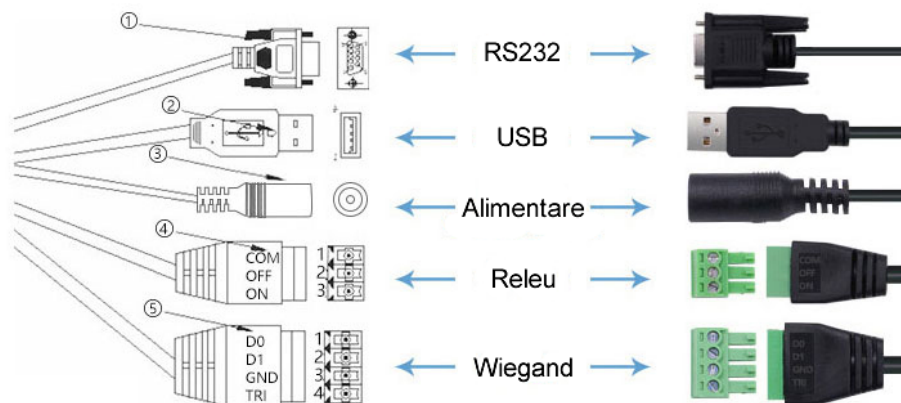
## Specificatii

### GENERAL

Chip RF	Impinj R2000
Suport:	Prindere pilon, inclus
Distanta citire:	8m (max. 20m - depinde de transponderul UHF utilizat)
Cartele suportate:	ISO18000-6C (EPC C1G2) pasive (866MHz)
Comunicatie:	RS232, RS485, USB, Wiegand 26/34, TCP/IP ( <b>CF-RU5508-T</b> )
Banda frecventa:	866-688MHz (ajustabila - <b>consultati ANEXA 1</b> )
Putere emisie / antena:	27dBm / 9dBi (putere ajustabila - <b>consultati ANEXA 2</b> )
Rezistenta la intemperii:	IP65
Software:	Software programare, SDK
Tensiunea de alimentare:	9-24Vcc
Consum:	3~7.8W (350~650mA)
Dimensiuni:	305(L) x 305(H) x 60(A) mm
Material / Masa bruta:	ABS+Aluminiu / 3kg
Conditii de depozitare:	-20°C ~ +75°C / 0-95% UR (fara condensare)
Conditii de operare:	-10°C ~ +55°C / 0-95% UR (fara condensare)
Certificate:	CE, FCC

\* Distanta de citire depinde de antena, tipul cartelei, mediul de instalare si reglementarile de putere admise

## Conexiuni electrice



## ATENȚIE!

Înainte de utilizare configurați frecvența de lucru și puterea de emisie conform cu reglementările statului în care se face instalarea. Consultați ANEXA 1 pentru detaliile specifice fiecărei țări.

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**ANEXA 1** - Starea de reglementare pentru utilizarea RFID în GEN2 EPC (860-960 MHz), bandă a spectrului UHF

TARA	Status	Frecventa in MHz	Putere	Tehnica	Comentarii	Autoritate reglementatoare
Austria	OK	865.6 - 687.6	2 W ERP	ETSI		Communication Authority Austria +43 1 58058-0 rtr@rtr.at www.rtr.at
Belgium	OK	865.6 - 867.6	2 W ERP	ETSI		Institut belge des services postaux et des télécommunications - IBPT +32 2 226 8888 info@bipt.be eric.van.heesvelde@bipt.be www.bipt.be
Bulgaria	OK	865.6 - 867.6	2 W ERP	ETSI		Communications Regulation Commission (CRC) +359 2 949 2418 chairman@crc.bg www.crc.bg
Croatia	OK	865.6 - 867.6	2 W ERP	ETSI		Croatian Telecommunications Agency +385 1 489 6000 info@telekom.hr www.telekom.hr
Cyprus	OK	865.6 - 867.6	2 W ERP	ETSI		Office of the Commissioner of Telecommunications and Postal Regulation +357 2269 3000 info@octpr.org.cy www.octpr.org.cy
Czech Republic	OK	865.6 - 867.6	2 W ERP	ETSI		Czech Telecommunication Office +420 224 004 704 info@ctu.cz www.ctu.cz
Denmark	OK	865.6 - 867.6	2 W ERP	ETSI		Danish Business Authority +45 35 29 10 00 erst@erst.dk http://www.erhvervsstyrelsen.dk/tele/0/3
		915 - 921	4 W ERP			
Estonia	OK	865.6 - 867.6	2 W ERP	ETSI		Estonian National Communications Board (ENCB) +372 693 1154 postbox@sa.ee www.sa.ee
		915 - 921	4 W ERP			
Finland	OK	865.6 - 867.6	2 W ERP	ETSI		Finnish Communications Regulatory Authority (FICORA) +358 9 6966 1 info@ficora.fi www.ficora.fi
France	OK	865.6 - 867.6	2 W ERP	ETSI		Autorité de Régulation des Communications électroniques et des Postes (ARCEP) +33 1 4047 7010 courrier@arcep.fr www.arcep.fr
Germany	OK	865.6 - 867.6	2 W ERP	ETSI		Federal Network Agency for Electricity, Gas, Telecommunication, Post and Railway +49 6131 18 0 poststelle@bnetza.de www.bundesnetzagentur.de
Greece	OK	865.6 - 867.6	2 W ERP	ETSI		National Telecommunications and Posts Commission (EETT) +30 210 615 1000 info@eett.gr www.eett.gr
Hungary	OK	865.6 - 867.6	2 W ERP	ETSI		National Communications Authority, Hungary (NCAH) +36 1 457 7488 gulyas.robert@nhh.hu www.nhh.hu
		915 - 921	4 W ERP			

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ANEXA 1 - Starea de reglementare pentru utilizarea RFID în GEN2 EPC (860-960 MHz), bandă a spectrului UHF - CONTINUARE

TARA	Status	Frecventa in MHz	Putere	Tehnica	Comentarii	Autoritate reglementatoare
Iceland	OK	865.6 - 867.6	2 W ERP	ETSI		Post and Telecom Administration +354 510 1500 pta@pta.is www.pta.is
Ireland	OK	865.6 - 867.6	2 W ERP	ETSI		Commission for Communications Regulation +353 1 804 9619
		915 - 921	4 W ERP			
Italy	OK	865.6 - 867.6	2 W ERP	ETSI		Autorità per le Garanzie nelle Comunicazioni (AGCOM) +39 081 7507111 info@agcom.it www.agcom.it
Latvia	OK	865.6 - 867.6	2 W ERP	LBT		Public Utilities Regulatory Commission +371 709 7200 sprk@sprk.gov.lv www.sprk.gov.lv
Liechtenstein	OK	865.6 - 867.6	2 W ERP	ETSI		Office for Communications www.ak.llv.li
		915 - 918	4 W ERP	ETSI limitat	918-921 MHz rezervat pentru protectie ER-GSM	
Lithuania	OK	865.6 - 867.6	2 W ERP	ETSI	Necesita licenta individuala	Communications Regulatory Authority +370 5 210 5684 rrt@rrt.lt www.rrt.lt
Luxembourg	OK	865.6 - 867.6	2 W ERP	ETSI		Institut Luxembourgeois de Régulation (ILR) +352 4588 4529 ilr@ilr.lu www.ilr.lu
		915 - 921	4 W ERP			
Moldova	OK	865.6 - 867.6	2 W ERP	ETSI		National Regulatory Agency in Telecommunications and Informatics +373 22 251317
		915 - 921	4 W ERP			
Netherlands	OK	865.6 - 867.6	2 W ERP	ETSI		Radio Communications Agency Netherlands +31(0)50-5877400 agentschaptelecom@at-ez.nl www.agentschap-telecom.nl
Norway	OK	865.6 - 867.6	2 W ERP	ETSI		Norwegian Post and Telecommunications Authority (NPTA) +47 22 824600 willy.jensen@npt.no www.npt.no
		915 - 921	4 W ERP			
Poland	OK	865.6 - 867.6	2 W ERP	ETSI		Office of Electronic Communications +48 22 534 9156 uke@uke.gov.pl www.uke.gov.pl
Portugal	OK	865.6 - 867.6	2 W ERP	ETSI		ICP - Autoridade Nacional de Comunicações (ANACOM) +351 21 721 1000 mailto:miguel.capela@anacom.pt www.anacom.pt
Romania	OK	865.7, 866.3, 866.9, 867.5	2 W ERP	ETSI	RO-IR 11-05	National Regulatory Authority for Communications (ANRC) +40 21 3075 400 anrcti@anrcti.ro www.anrcti.ro
		865 - 868	500mW ERP		RO-IR 11-06	
Serbia	OK	865.6 - 867.6	2 W ERP	ETSI		Federal Ministry of Transport and Telecommunications +381 11 3114855 mintel@gov.yu

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ANEXA 1 - Starea de reglementare pentru utilizarea RFID în GEN2 EPC (860-960 MHz), bandă a spectrului UHF - CONTINUARE

TARA	Status	Frecventa in MHz	Putere	Tehnica	Comentarii	Autoritate reglementatoare
Slovak Republic	OK	865.6 - 867.6	2 W ERP	ETSI		Telecommunications Office of the Slovak Republic +421 2 5788 1553 secretary@teleoff.gov.sk frequency@teleoff.gov.sk
Slovenia	OK	865.6 - 867.6	2 W ERP	ETSI		Post and Electronic Communications Agenca of the Republic of Slovenia +386 1 583 6300 info.box@apek.si www.apek.si
		915 - 921	4 W ERP			
Spain	OK	865.6 - 867.6	2 W ERP	ETSI		Secretaría de Estado de Telecomunicaciones y para la Sociedad de la Información Juan Cañas +34 91 346 15 35 jcanas@minetur.es
Sweden	OK	865.6 - 867.6	2 W ERP	ETSI	Scutit de norme de licență 2006/804/EG	Post- och telestyrelsen (PTS) +46 8 678 55 00 pts@pts.se www.pts.se
Switzerland	OK	865.6 - 867.6	2 W ERP	ETSI	918-921 MHz rezervat pentru protectie ER-GSM	Office fédéral de la communication (OFCOM) +41 32 327 5511 ir@bakom.admin.ch www.bakom.ch
		915 - 918	4 W ERP	ETSI limitat		
United Kingdom	OK	865.6 - 867.6	2 W ERP	ETSI		Office of Communications - Ofcom +44 20 7981 3000 contact@ofcom.org.uk www.ofcom.org.uk
		915 - 921	4 W ERP			

\* NEUTILIZAREA FRECVENȚEI SI PUTERII DE EMISIE ADMISE SPECIFICE TARII IN CARE SE UTILIZEAZA ECHIPAMENTUL ATRAGE SANCTIUNI DIN PARTEA STATULUI RESPECTIV.

ANEXA 2 - Relatia dintre puterea emisa si cea radiata

Putere (dBm)	Putere (W)	ERP (8dBi)	ERP (12dBi)	Putere (dBm)	Putere (W)	ERP (8dBi)	ERP (12dBi)
1	0.0013	0.0048	0.0122	16	0.0398	0.1531	0.3846
2	0.0016	0.0061	0.0153	17	0.0501	0.1928	0.4842
3	0.0020	0.0077	0.0193	18	0.0631	0.2427	0.6095
4	0.0025	0.0097	0.0243	19	0.0794	0.3055	0.7674
5	0.0032	0.0122	0.0305	20	0.1000	0.3846	0.9661
6	0.0040	0.0153	0.0385	21	0.1259	0.4842	1.2162
7	0.0050	0.0193	0.0484	22	0.1585	0.6095	1.5311
8	0.0063	0.0243	0.0610	23	0.1995	0.7674	1.9275
9	0.0079	0.0305	0.0767	24	0.2512	0.9661	2.4266
10	0.0100	0.0385	0.0966	25	0.3162	1.2162	3.0549
11	0.0126	0.0484	0.1216	26	0.3981	1.5311	3.8459
12	0.0158	0.0610	0.1531	27	0.5012	1.9275	4.8417
13	0.0200	0.0767	0.1928	28	0.6310	2.4266	6.0954
14	0.0251	0.0966	0.2427	29	0.7943	3.0549	7.6736
15	0.0316	0.1216	0.3055	30	1.0000	3.8459	9.6605

ANEXA 3 - Referinte

DIRECTIVA 2014/53/EU  
ETSI EN 300 440  
ETSI EN 302 208-1  
DIRECTIVA 2006/804/CE  
ERC/REC 70-03  
RO-IR 11-05  
RO-IR 11-06

**dBm** - decibel-miliwatt (decibeli relativ la un miliwatt)

**dBi** - decibel isotropic (castigul antenei fata de antena isotropica ipotetica)

**ERP** - putere radiata efectiva (rezultatul puterii furnizate antenei si castigul relativ al acesteia la dipol semiunda in directia castigului maxim)

**ETSI** - European Telecommunications Standards Institute

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## SETARI RECOMANDATE SOFT

The screenshot shows the 'Reader software 3.2' configuration window. The interface is divided into several sections:

- Connection:** COM1 selected, Baudrate: 115200bps, Net: 192.168.1.250, NetPort: 60000.
- ParameterSet:** AdvanceSet, AnswerMode, ActiveMode, Network Settings, Network Test.
- Reader parameters:** RFPower: 27dBm, Baudrate: 115200bp, Address(Hex): 00, FreqBand: (empty), SingleFreq: checked, 865.7MHz.
- Wiegand parameters:** Mode: WG34, Output MSB first, OutInterval(10ms): 30, PulseWidth(10us): 10, PulseInterval(100us): 15.
- Reading settings:** Interface: Weigand, WorkMode: ActiveMod, FilterTime(S): 2, InquiryArea: TID, StartAddress (Hex): 08, ByteLength(Hex): 00, TriggerEffective(S): 1, Buzzer: checked, QValue: 4, Session: 0, ScanMaxTime(\*100ms): 0.
- AntSet:** Check, Ant1 checked.

Buttons at the bottom include 'Read', 'Set', and 'Default'. A log window at the bottom shows the following entries:

Time	Result
14:12:27	Send:53 57 00 25 FF 21 C1 55 04 01 00 02 1B 01 04 43 03 01 08 00 01 01 00 1E 0A 0F 00 01 04 00 00 00 00 00 00 00 00
14:12:27	Send: 00 00 47
14:12:27	Receive: 43 54 00 04 00 21 01 43
14:12:27	Operation succeeded