

Evaluation Kit: SID-UHF-EK-01

Reader performance

S/no.	Description		Value	Comments
1.	Power	Transmitter power	28.5 dBm	
2.	Frequency	Occupied frequency	902-928 MHz	
		Channel bandwidth	500 kHz	Carrier @ 902.5 MHz, 903.0 MHz, 927.5 MHz.
		Total no. of channels	51 channel	
3.	Electrical Characteristics	Supply voltage	6.5 V	
		Current drawn (RF on)	700 mA	
4.	Antenna	Gain	7.5 dBi	Circular polarized/ Linear polarized Size is 260 mm by 260 mm by 35 mm.

Physical dimensions and interface

S/no.	Item	Descriptions	Comments
1.	Reader size	145 mm by 69 mm by 27mm	Metal casing
2.	Power supply	Chassis mounting socket	Compatible connection with the universal power supply provided.
3.	Data In/out	RS232	RS232 cable of length 3 m will be provided.
4.	RF out	SMA female	1 m SMA cable of length 1 m will be provided.

System performance

S/no.	Description	Value	Comments
1.	Start/Stop Control	No	Reader turns on automatically once power is on.
2.	Operating Range	4m	Credit card size tag with 4 W EIRP.