

Evaluation Kit: SID-M-EK-01

Reader performance

S/no.	Description	Value	Comments
1.	Power	Transmitter power	24.0 dBm 250 mW
2.	Frequency	Occupied frequency	2400 - 2480 MHz
		Channel bandwidth	1 MHz Carrier @ 2401 MHz, 2402 MHz, 2479 MHz.
		Total no. of channels	79 channel
3.	Electrical Characteristics	Supply voltage	6.5 V
		Current drawn (RF on)	1000 mA
4.	Antenna	Gain	12 dBi Circular polarized Size is 242 mm by 230 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	1.0 m	50mm by 1mm tag with 4 W EIRP.