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## Active RFID Reader RRATR01

### Features & Benefits

- Innovative anti-collision algorithm for multi tag reading
- Readers have the ability of detecting multiple tags in a region at the same time.
- APIs are available for software programming
- Rugged and weatherproof packaging for indoor and outdoor installations
- Easily mountable with smaller size package
- Can be customized to work with boom barrier and external devices

RRATR01 is a next generation Active reader operating at 2.45 GHz. it receives data from tag and after reading the data sends it to the host in real time.

It provides various read range option with custom designed internal & external antennas for specific requirement.

### Applications

- Personnel tracking
- Laptop tracking
- Asset Tracking
- Vehicle Tracking
- Automatic toll collection

# Specifications

Parameter	RRATR01
Operating Frequency	2.45 Ghz
Power Supply	AC 235V /DC+12V
Modulation	GFSK
Sensitivity	-90 dBm
Read Range*	Up to 50 meters with different variety of tag
Data Rate	27.8 kbps
Communication Interface	Ethernet & RS-232
Supported Transponders	ISO 18000-4 compatible tags
External Antenna Port	1 X SMA Port
Read Indication	Buzzer
Operating Temperature	-20°C to +70°C
Dimensions	140 X 110 X 40 mm
Weight	600 gms approx.
Packaging Material	ABS Plastic
Color	Black

\* Read Range depends on Tag and Reader antenna design

RapidRadio Solutions reserves the right to make changes in the specification without notice.

“RapidRadio with its technical expertise in RFID technology and its physics focuses on designing, developing, innovating and deploying RFID hardware solutions”



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