# UHF RFID Reader

Specially designed for industrial environment to monitor and identify the tracks and pallets, integrating with PLC and SCADA system


UHF RFID Reader

UHF Asset Tag

UHF Metal Tag

UHF Wristband Tag

UHF Asset Tag

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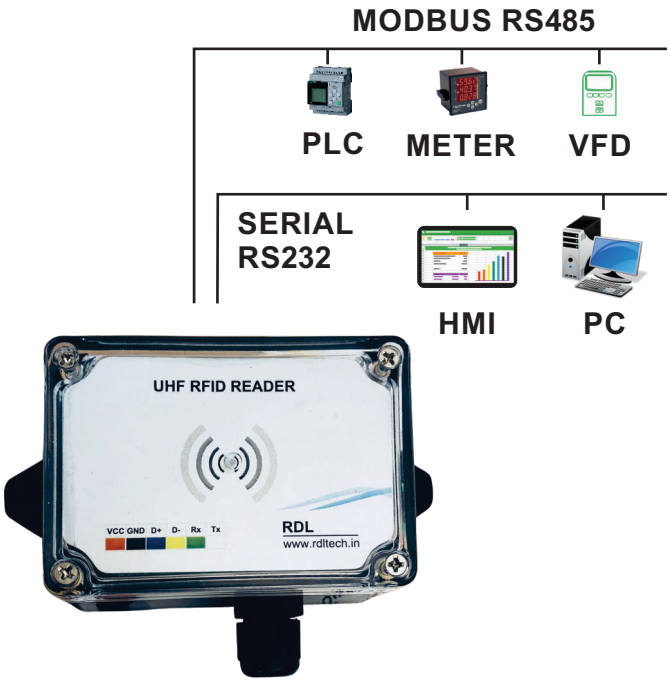
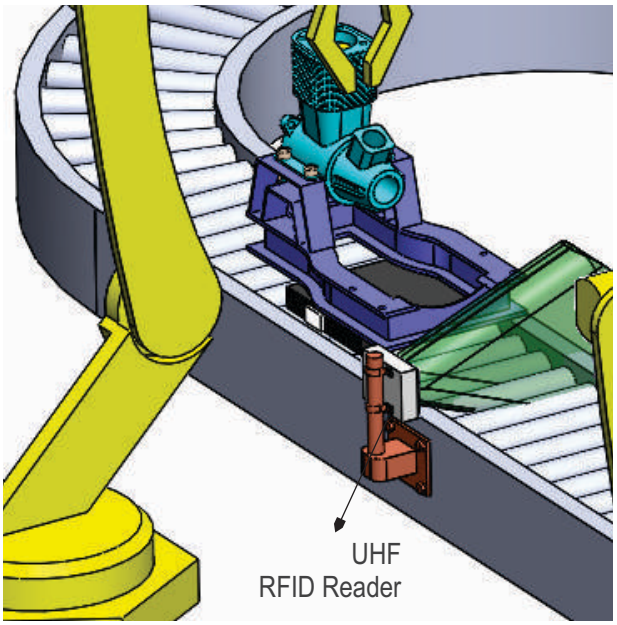
## Specification:

- DC Supply Voltage: 5-30V
- Frequency: 840-960MHZ
- Output power: 18-26 dBm
- Output power accuracy: +/- 1dB
- Output power flatness: +/- 0.2dB
- Receive sensitivity: < -70dBm
- Protocol: EPC global UHF Class 1 Gen 2 / ISO 18000-6C
- Operating time: <100mS
- Read/write range: Read: 50-200cm; write: 5-10cm
  (Read range subject to environment and tag Manufacturer)
- Store tag peak speed: > 50pcs/sec
- Tags RSSI: Support
- Communication interface: RS232 / Rs485
- Communication baud rate: 115200 bps
  (default and recommend) 38400bps
- Operation temp.: - 20 °C - + 70 °C
- Storage temp.: - 20 °C - + 85 °C
- Working humidity: < 95% ( + 25 °C)
- External Dimension(mm): 84x59x34
- Enclosure: IP65




**Operational Benefits :**

- Improved productivity & asset utilization
- Paperless Production environment
- Performance Forecasting
- Production count & rejection.
- Improve the quality and transparency of data across the supply chain
- Increase the accuracy of and reduce the time spent taking inventories
- Reliable track and trace in challenging physical environments

**UHF RFID TAG performance specification**

- Operating temperature: **-30** ℃ ~ +80℃
- Storage temperature: -30 ℃ ~ +150℃
- Write Endurance [cycles]: 100,000
- Data Retention [yrs]: 10
- Frequency: 860~960MHz
- Protocol: EPC Class1 Gen2, ISO 18000-6C
- Memory Size [bit]: 512bit

## Applications

### Automotive

Tags identify chassis color, type and storage location.

### Packaging

Improve the quality and transparency of data across the supply chain.

### AGV

Tags embedded in the floor to positioning unmanned vehicle.

### Manufacturing

Tool validation with machine and usage count.