

FR7000

Intelligent UHF RFID Reader



Superior UHF RFID Performance

Powered by the Impinj E710 chip, achieving a remarkable reading speed of up to 1000 tags/sec and ensuring capture of swiftly moving items with an impressive accuracy rate of 99.7%.



Two Antenna Options to Meet the Diverse Demands

Choose either the 6dBi or 9dBi circularly polarized antenna, with adjustable output power for effective reading distances up to 7 meters (6dBi) and 12 meters (9dBi). Perfect for diverse applications such as warehouse management, logistics sorting, vehicle access control, and archives & library management, etc.



Industrial-grade Quality for Robust Durability

Featuring a robust plastic and aluminum alloy casing with industrial-grade dust and water proof, resilient against dust, oil, and moisture.



Versatile Interfaces for Flexible Connectio

Supporting RS232 and RJ45 interfaces, with optional RS485, Wiegand, GPIO, USB2.0 interfaces.



Integrated Antenna Design for Easy Deployment

Compact and sleek with a built-in antenna, the device is equipped with a bracket for flexible deployment in various scenarios.



Warehouse
Management



Logistics
Sorting



Vehicle Access
Control



Library
Management



Asset
Tracking

FR7000 Series Integrated UHF RFID Reader

Specifications



Dimensions(mm)

- 257 x 257 x 52 (9dBi)
- 130 x 130 x 50 (6dBi)



RFID

- Protocol: ISO18000-6C(EPC C1G2)
- Frequency: 860 ~ 960MHz
(Adjustable to meet the requirements of different countries or regions)
- Output power: 0-33dBm(Adjustable)



Antenna

- Optional circularly polarized antenna: 6dBi/9dBi
- Typical reading range: over 7m(6dBi)/12m(9dBi)



Weight

- 1800g (9dBi) / 600g(6dBi)



Power Supply

- +9V power supply,
- POE power supply(optional)



Interface

- Support RS232, RJ45
- Optional RS485, Wiegand, GPIO, USB2.0, etc.



Protection

- IP67



Environmental

- Operating Temp.: -10 ~ +55°C
- Storage Temp.: -20 ~ +75°C
- Humidity: 5%RH ~ 95%RH(No condensation)
- ESD: +/-15kv Air; +/-8kv contact