

FR7000 Series

Integrated 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 Connection**

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.



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Specifications

· Dimensions

Dimensions:
257mm×257mm×52mm(9dBi)/
130mm×130mm×50mm(6dBi)
Weight: 1800g (9dBi)/ 600g(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)

· 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

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