

R16-12DB

Long range Integrated UHF Reader/writer



The R16-12DB is an integrated UHF reader with multiple protocols compatibility, fast read rate, multiple tags reading, and waterproof design. It can be widely used in various RFID systems.

1、Product specification

- Support ISO18000-6B and EPC Class1 GEN2 international standards;
- Integrated structure design, beautiful appearance, suitable for outdoor environment;
- Integrate high-performance linear polarized antennas, Recognize the long range distance stably;
- Supports tag echo signal detection, tag data filtering, clock stamping, and input and output functions;
- Recognition speed is fast, and the identification of single label can reach 140 times/second;
- Adopt frequency hopping working mode, strong anti-interference ability and high recognition sensitivity;
- Support development in multiple languages, such as VC, VB, C, etc.
- Supports online upgrades, has a rich communication interface, and can be customized to the needs of users.

2、Application

- Warehouse Management
- Supply Chain Management
- Vehicle Management
- Line Management
- Source Management
- Asset Management
- Personnel Management
- Attendance Management
- Product Anti-counterfeiting Management

3、Technical parameters

model	R16-12DB
Supported protocols	ISO18000-6B, ISO18000-6C (EPC GEN2)
working frequency	ISM 902~928MHz and ISM 865~868MHz, Other frequency standards (customized)
Operation mode	FHSS
RF power	0~30dBm, Software Programmable
Reading speed	Single card average reading is 64bits, less than 6ms, Software Programmable
Work mode	reading Active and reading passive, Software Programmable
Communication Ports	N:Wiegand26/34/98, RS485,RS232 ,USB E:Wiegand26/34/98, RS232,TCP ,USB
Input interface	1 way trigger input
Reading range	>20m (High power 35m)
Status indicators	buzzer
Antenna	12dbi circular antenna
Power supply	DC+9V
Size	445mm×445mm×35mm
Weight	2.55 Kg (Package:4.65kg)
Operation Temp	-20°C~+70°C