

# 9801

## Long-range Integrative Reader



### Technology parameter

Frequency	860MHz~960MHz (Adjustable for local regulations)
Tag protocols	ISO18000-6B, EPC Class 1, EPC Class 1 GEN 2
Operating Method	FHSS or fixed frequency(set by software)
Antenna ports	Built-in 12dbi linear polarization antenna
Max RF power	30.0 dBm
Power smoothness	<0.5 DB
RF power range	20.0~30.0 dBm(Adjustable by software)
Identify tag mode	Identify tag mode can be set as: 1).Auto-reading tag in fixed time (Timing mode), 2).Reading tag after external trigger (Trigger mode) 3) Software command(Master-slave mode)
Identify tag time	<8ms(Identify single tag)
Reading/Writing tag time	No more than 5ms every 8 bytes when reading, 25ms every 4bytes when writing.
Reading distance	0-12 meters (depends on tag and testing environment)
Communication interface	Type A: RS-232, RS-485, Wiegand26/34 Type E: RS-232, Ethernet, Wiegand26/34,
Input/output	1triggering input
Optional function	Relay output, off-line working, ID-Match
Power supply	DC 9V/2.6A (or DC 12V/3A)
Power consumption	≤5W
Product size	450mm*450mm*50mm
Packing size	545mm*545mm*145mm
Gross weight	4.82kg
Net weight	2.66kg
Work Temperature	-20℃~+70℃
Storage Temperature	-40℃~+85℃
Accessories	DC9V/2.6A adaptor, power cable,RS-232cable, Mounting bracket, Ethernet cable(For type E)
Working status indication	Buzzer

### Key Features

- Integrative design (12dBi linear antenna inside)
- Waterproof and sunproof
- Long reading distance
- Support both ISO-18000-6B and ISO 18000-6C(EPC C1G2)..
- Customized working frequency
- FHSS operating method with super anti-interference ability.
- Multi-reader synchronization
- Software supports various program languages.
- Multiple communication interfaces, also can be customized
- Support online upgrade

### Typical Applications

- Vehicle Parking System
- Intelligent traffic such as ETC, customs border-crossing,, automatic weighing etc.
- Logistics such as container management, pallet management, asset tracing etc.
- Ticketing& access control
- Warehouse/logistics