

CL7206C9

Raspberry Pi Gateway RFID reader

=1*computer + 1*4-port RFID reader

=1*middleware +1*4-port RFID reader

=1* Gateway controller + 1*4-port RFID reader



Change without your applications

FEATURES:

- ✓ **Powerful:** Impinj R2000 platform and double power amplifier synthetic circuit
- ✓ **Advanced:** Max RFID module and antenna performance
- ✓ **Excellent:** Raspbian OS based on Linux OS carrying ARM CPU keeps working without crash
- ✓ **Unique:** can run middleware management software, max control 10 RFID device at same time,
- ✓ **Developable:** open internal application development environment, can run customer application software, programming language support python, JAVA and so on.
- ✓ **Humanist:** Kinds of communication interfaces supportable, **Bluetooth, WIFI wireless methods extensible, keyboard mouse supportable**
- ✓ **Efficient:** easier equipment deployment, networking building, faster for projects carrying out successfully.
- ✓ **Adaptable:** Excellent rugged design for kinds of industrial environments such as production line, forklift

Main Applications:

- 1, parking lot vehicle management
- 2, barrier gate suppliers;
- 3, intelligent weighing class applications
- 4, logistics /warehousing r;
- 5, asset inventory
- 6, production line management

SPECIFICATIONS:

System	
Operation System:	Raspbian (based on Linux)
CPU:	ARM Cortex A53
Memory Capacity:	DDR SDRAM :1G; ROM:16G
Physical	
Size:	256mm×148mm×43.5mm
Weight:	2.0Kgs
Housing Material:	Casting Aluminum
Power supply:	DC 24V/2.5A
Power protection:	Overcurrent protection(more than 3A currency)
Antenna interface:	4×TNC interface
Protection level:	IP53
Anti-shock design:	Apply to ship, train, land vehicles and other vehicle equipment shaking grade
UHF RFID	
Protocol:	ISO/IEC18000-6B,6C / EPC C1Gen2
Frequency:	USA:902 MHz-928MHz (FCC part 15) EU:865-868MHz(ETSI EN 302208) CHN:920-925MHz Other customizable
Output Power:	0dBm-33dBm(±1dBm) adjustable
Power adjustment:	1dBm step-by-step
Channel bandwidth:	< 200KHz
Frequency stability:	≤±10ppm
Interfaces:	RS-232 serial port
	RJ-45, TCP/IP
	RS-485
	Wiegand 26 34 66
	2*USB2.0 Host support Bluetooth, Wi-Fi, keyboard and mouse USB2.0 Device support HDMI display output connector
	RTC
Work Mode:	Fixed/hop frequency optional
Communication speed	10m/100m self-adaptable
Reading speed	>400times/ second
I/O interface	4 opt coupler input/ 4 relay output
Anti-collision	Support multi-tag reading, intensive reading
Software:	Support middleware management software Support client application program

	Support RSSI , antenna detection, online software update(RS485 or RJ45 remoting), data filtering
External antenna	4x 9dBi /6dBi /12dBi RFID antenna/ Bluetooth antenna optional
Reading Distance:	0-12m (depending on environment)
Writing Distance:	0-6m (depending on environment)
Operational Environment	
Working Temperature:	-20 - +70°C
Storage Temperature:	-45 - +85°C
Atmospheric Pressure:	86kPa ~ 108kPa
Relative Humidity:	5%-95% RH no condensing
Support	
Documentation:	Demo software & source code; API; Development Guide; User manual