

CL7206B5A

Long Range RFID Integrated Reader



FEATURES:

- ✓ **Powerful:** ARM9,400MHz platform synthetic circuit
- ✓ **Advanced:** Max RFID module and antenna, reading distance up to 12m (max 12-20m)
- ✓ **Excellent:** Linux OS high performance and 24hrs X 365days no crash
- ✓ **Humanist:** Good expandability, could expand kinds of interfaces for special application
- ✓ **Industrial:** IP66 rugged, applying to kinds of severe environment

APPLICATIONS:

INDUSTRY	APPLICATION
✓ Traffic Transportation Hub; Parking Lot; Checkpoint; Highway	• City Traffic Control
	• ETC / Payment / Check
	• Customs Clearance Control
	• Vehicle/ License/E-plate Checking
✓ Retail Sales Floor; Backroom	• Inventory/Cycle counting
	• Automatic Replenishment
	• Receiving/Shrink control
	• Employee Management
✓ Electricity Grid Center; Base station; Warehouse	• Equipment management
	• Warehousing Management
	• Asset Tracking
	• Item finding
✓ Manufacturing Production line; Warehouse; Docks	• Work in Process (WIP)
	• Receiving/Shipping
	• Asset/IT Management
	• Production automation
✓ Logistic Express; Freight; Seaport	• Picking/Delivering
	• Receiving/Shrink control
	• Package management
	• Item finding
✓ Supply Chain Fashion; Container tracking	• Container Tracking
	• File and Documents Tracking
	• Purchase, Sale, Stock Management

SPECIFICATIONS:

System	
Operation System:	Linux 2.6
CPU:	ARM9, 400MHz
Memory Capacity:	DDR SDRAM :128M; ROM: 256M
Extended Memory:	N/A
Physical	
Size:	290mm×290mm×55mm
Weight:	<2.0Kgs
Housing Material:	Aluminum + PC
Power supply:	DC 30V/2A (40W)
Protection level:	IP66
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
Output Power:	(20W) 20dBm~30dBm(±1.5dBm) adjustable
Power adjustment:	1dBm step-by-step
Channel bandwidth:	< 200KHz
Frequency stability	≤±10ppm
Interface:	RS-232, RS-485,Wiegand, RJ45 optional
Work Mode:	Fixed/hop frequency optional
Communication speed	10m/100m self-adaptable
Reading speed	>400times/S
I/O interface	2 optocoupler input/ 1 relay output
Anti-collision	Support multi-tag reading, intensive reading
Software	Support RSSI ,antenna detection, online update, data filtering
Antenna:	Circular 9dBi built-in
Reading Distance:	0-20m (depending on environment , usually within 12m)
Writing Distance:	0-8m (depending on environment)
Operational Environment	
Working Temperature:	-30 - +70°C
Storage Temperature:	-45 - +85°C
Atmospheric Pressure:	86kPa ~ 108kPa
Relative Humidity:	10%-95% RH no condensing
Support	
Documentation:	Demo software & source code; API; Development Guide; User manual