AI-RF-FX-CL03 Miniature RFID Integrated Reader

FEATURES:

- ✓ **Powerful:** ARM9,400MHz platform synthetic circuit

- ✓ **Advanced:**Impinj R2000 max RFID performance.

- ✓ **Excellent:** Linux OS for good expandability of kinds of customized applications

- ✓ **Humanist:**Independent molding with small and exquisite design

- ✓ **Industrial:**IP54 rugged, applying to kinds of severe environment

FEASIBLE APPLICATIONS:

- ✓ Vehicle Management: Intelligent Parking System, Access control, Auto-weighting and so on

- ✓ Automation: Production automation and Production Visual control

- ✓ Logistic: Containers tracking, Pallets management

- ✓ Ticketing:Electronic tickets, access control, entrance guard

- ✓ Asset management: Inventory, warehousing in/out

A.I. HardWare

SPECIFICATIONS

System	
Operation System:	Linux 2.6
CPU:	ARM9, 400MHz
Memory Capacity:	DDR SDRAM :128M; ROM:256M
Extended Memory:	N/A
Physical	
Size:	128mm×128mm×45mm
Weight:	1.3Kgs
Housing Material:	Aluminum + PC
Power supply:	DC 5V/4A
Protection level:	IP54
UHF RFID	
Protocol:	ISO/IEC18000-6B / EPC C1Gen2
Frequency:	USA:902 MHz-928MHz (FCC part 15) EU:865-868MHz (ETSI EN 302208) CHN:920-925MHz
Output Power:	(20W) 0dBm~33dBm(±1.5dBm) adjustable
Power adjustment:	1dBm step-by-step
Channel bandwidth:	< 200KHz
Frequency stability	≤±10ppm
Interface:	RS-232,RS-485, Wigandprolongableoptional (without RJ45)
Work Mode:	Fixed/hop frequency optional
Communication speed	10m/100m self-adaptable
Reading speed	>400times/S
I/O interface	1optocoupler input/ 1 relay output
Anti-collision	Support multi-tag reading,intensive reading
Software	Support RSSI ,antenna detection, online update, data filtering
Antenna:	Circular 6dBi built-in
Reading Distance:	0-10m (depending on environment)
Writing Distance:	0-4m(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