

AI-RF-FX-CL24

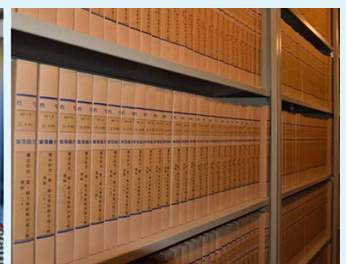
24 Ports Fixed UHF RFID Reader



- ImpinjR2000 platform and double power amplifier synthetic circuit.
- Max read distance is 20 meters, read speed 400 times/sec.
- Linux OS carrying ARM9 CPU keeps 24hrs X 365days running.
- Kinds of communication interfaces.
- Aluminum casting housing applies to industria- scenarios
- Various communication / software interfaces match various applications
- Different developing languages SDK meet different developer needs
- Excellent communication protoco- architecture supports faster data processing algorithm
- Split-type design supports max date collection range, helping cost saving
- Specia- applications customized interfaces / data transferring expandable
- Seamlessly compatible with RFID middleware for rapid implementation of large projects
- Widely used in Smart cabinet, documents / tools management, bank assets tracking, Smart retail

Application Field

- File/Documents Management
- Warehouse Management System
- Industry 4.0 Smart Manufacturing
- Warehouse forklift Management
- IT Asset Inventory Management



Specifcation

System

Operation System:	Linux 2.6
CPU:	ARM9, 400MHz
Memory Capacity:	DDR SDRAM:128M; ROM: 256M

Physical

Size:	256mm*148mm*43.5mm
Weight:	2.0Kgs
Housing Material:	Casting aluminum
Power supply:	(60W) DC 24V/2.5A (DC 9V ~ 30V)
Protection level:	IP55

UHF RFID

Protocol:	ISO/IEC18000-6B, 6C / EPC C1Gen2
Frequency:	USA: 902 MHz-928MHz (FCC part 15) EU: 865-868MHz (ETSI EN 302208) CN: 920-925MHz (CMIIT)
Output Power:	0dBm-33dBm (± 1 dBm) adjustable
Power adjustment:	1dBm step-by-step
Channel bandwidth:	< 200KHz
Frequency stability:	± 10 ppm
Work Mode:	Fixed/hop frequency optional
Reading speed:	> 400 times/Sec
Anti-collision:	Support multi-tag reading, intensive reading
Software Support:	RSSI, antenna detection, online update, data filtering
Read range:	0-20m (depending on environment)
Write range:	0-8m (depending on environment)
Antenna interface:	24 X SMA interface
Interface:	RS-232, RS-485, Wiegand, RJ45, USB2.0
I/O interface:	4 input/ 4 relay output

User Environment

Working Temperature:	-20 - +70° C
Storage Temperature:	-40 - +85° C
Atmospheric Pressure:	86kPa ~ 108kPa
Relative Humidity:	10 ~ 9% RH no condensing