



DESCRIPTION

UHFREADER is a high performance UHF RFID integrated reader. It is designed upon fully self-intellectual property. Based on proprietary efficient DSP algorithm, it supports fast tag read/write operation with high identification rate. It can be widely applied in many RFID application systems such as logistics, access control, anti-counterfeit and industrial production process control system.

Specification	
Air Protocol	ISO/IEC18000-6B, 6C / EPC C1Gen2
Chipset	IMPINJ Indy R2000
Frequency	USA: 902 MHz-928MHz (FCC part 15)
	EU: 865-868MHz (ETSI EN 302208)
	CN: 920-925MHz, CMIIT)
	Supportable /optional: Russian / Japan / Korea / Malaysia / Thailand / other customizable
Output Power	0dBm-30dBm
Reading Range	0-15m(According to Tag & Environment)
Channel Bandwidth	<200KHz
Anti-collision	RSSI / multi-tag / intensive inventory supportable
Work Mode	Fixed / hop frequency optional
Antenna	9dBi Built-in circular polarization
Phychips	PR9200
Hardware ,OS and Firmware	
Processor	ARM9, 400MHz
Memory	Flash 128MB; DRAM 32 MB
Operating System	Linux 2.6
Firmware Upgrade Method	Demo software / Telnet
Programing Functions	
Function	Automatic reading/ White list
Data Mode	Breakpoint Resume / Match reading / Data filter
Format	Data format customizable (PLC / Modbus compatible)
Service	RF Micron / EM Temperature sensor custom Services
Physical	
Dimensions	290mm(L)*290mm(W)*55mm(H)
Weight	1.6Kgs
Housing Material	Aluminium plate /ABS cover
Connectivity	
Communications	Rj45, RS-232, RS-485,Wiegand
General Purpose I/O	1 input, 1 pair 5V output or wiegand output
Power Supply	DC 24V/2.5A (DC 9V ~ 30V,60W)
Environmental	
Operating Temperature	-20 - +70°C
Storage Temperature	-40 - +85°C
Humidity	Humidity: 5-95% non-condensing (+25°C)
Sealing	IP66