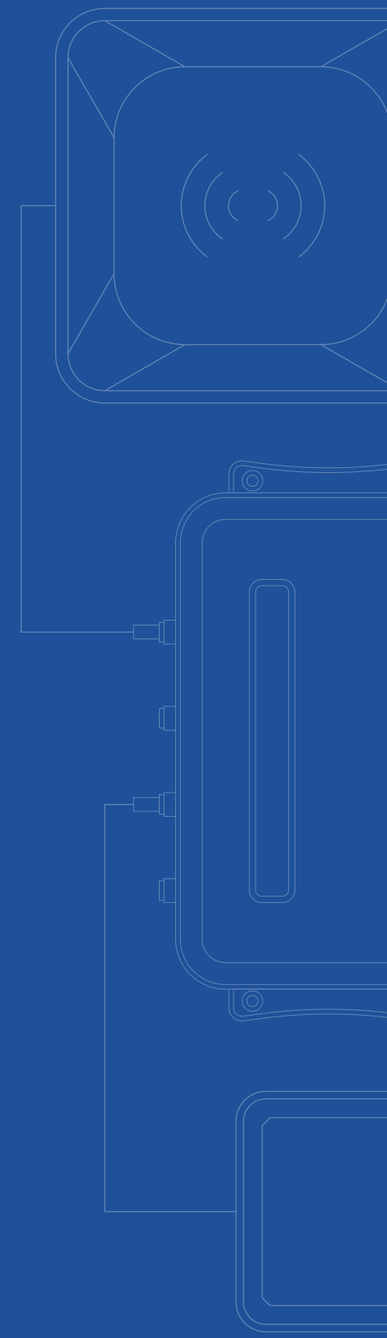

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Hopeland

MORE VALUABLE RFID
HARDWARE SYSTEM PROVIDER

Shenzhen Hopeland Technologies Co., Ltd., since 2009, is specialized in researching developing and manufacturing series of UHF RFID reader, handheld terminal, antenna, special type tag, Middleware, system software, etc. Experienced R&D team and production center help to output quality products based on Indy R2000/PR9200 chipset, which passed CE, FCC, CCC, SRRC and series of certificates. With core advantages of long reading distance, excellent multi-tag reading, advanced anti-collision algorithm, various communication interfaces, different operation systems & platform SDK choices, industrial level, our devices are widely used in areas of ETC, Intelligent Parking, Aviation, Smart New Retail, Smart Grid, Assets Tracking, Warehousing& Logistic, Supply Chain, Industry 4.0 and so on.

Customized products & software, and RFID middleware help to solve the real pain points in business operation day by day, which makes us win lot of positive feedback and partners from over 80 countries.

Keeping innovation is the only way to develop, and we are always on the way to strive for better future with partners together.

CONTENTS

CL7202K1 / K3

Features

- Android / Windows OS Optional
- Impinj Indy R2000 chipset brings max RFID performance
- Overmolding housing, IP65 applies to industrial scenarios
- Humanist design with hand grip ergonomic for long time use
- Various communication transfer method options match various applications
- Widely used in ITS / ETC ,execution inspection, warehousing & logistic, Smart retail

Selection Guide

Model No.	CL7202K3	CL7202K1
Performance	CPU: MTK MT6580 Quad Core 1.3GHz OS: Android 5.1 Memory: 2GB RAM / 16GB ROM	TI AM3715 1GHz Windows Embedded CE 6.0 512MB RAM / 512MB ROM
	Display: 4.0"TFT LCD WVGA 480×800Pixel Standard I/O Port: USB 2.0 & UART via Cradle Expansion Slot: 1 Micro SD Slot, 1 SIM Slot, 1 PSAM Slot(Optional)	
Network	WIFI: IEEE 802.11 b/g/n 3G GSM / WCDMA, 4G optional	
	GPS + AGPS with internal antenna Bluetooth: 4.0	GPS with internal antenna IEEE 802.15.1/2.1 + EDR
UHF RFID	Air Protocol: ISO/IEC 18000-6B, 6C / EPC C1Gen2 Reading Range: 0-8m(According to Tag & Environment) Antenna: Circular 4dBi RF output: 0-30dBm(±1dBm) Programing functions: match reading / data filter RFID-temperature & humidity sensor data acquisition customizable	
Physical	Dimensions(L x W x H) Full Set: 220mm*130mm*165mm, Main body :190mm*84mm*42mm Weight: About 700g(PDA only) Full keyboard: 0-9 numeric input and a-z A-Z letter input keys, some shortcut function keys Storage Temp. : -30℃ ~ +80℃ Operating Temp.: -20℃ ~ +55℃ Humidity: 5% RH ~ 95%RH (non-condensing) Drop Spec. 1.2M Drop to concrete Dust & Water Proof: IP65	
Camera	8MP	5MP
Barcode	1D Laser or 2D Imager Barcode Scanner	
Battery Supply	Main Battery(Replaceable): 1X Lithium Polymer 3.7V 4,000mAh(Rechargeable) Built-in Battery: 1X Lithium Polymer 3.7V 3,300mAh(Rechargeable)	
Accessories	Power Adapter: Input AC100V ~ 240V / Output DC 5V 4A Cradle(Optional): Cradle, Spare battery charger, Expansion interface, DC 5V adapter for charging seat, USB data cable	

HL7202G9

Features

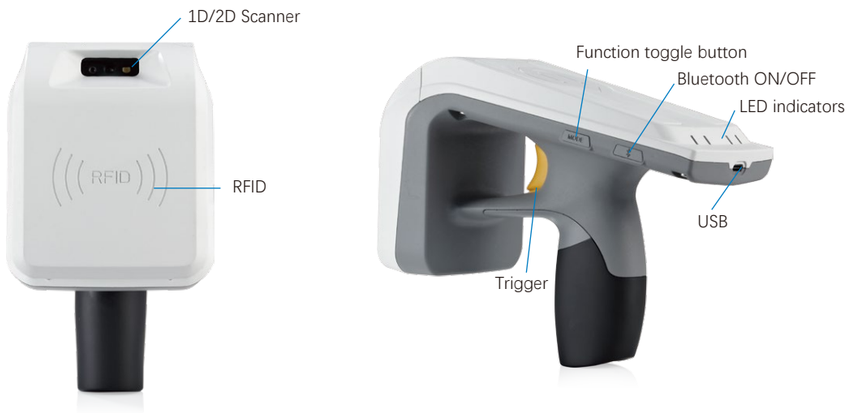
- Android OS supports easy application development
- Impinj Indy R2000 chipset brings max RFID performance
- Overmolding housing, IP65 applies to industrial scenarios
- Humanist design with 8inch big screen for easy input experience
- Various communication data collection method options match various applications
- Widely used in ITS / Smart Grid ,execution inspection, warehousing & logistic, Smart retail

Selection Guide

Model No.	HL7202G9
Performance	CPU: ARM Cortex-A53 Eight-core Main frequency 1.5GHz OS: Android 5.1 Memory: 3GB RAM / 32GB iNand FLASH ROM Display: 8.0"TFT LCD 1280*800Pixel Standard I/O Port: USB2.0 Type C×1 supports OTG Expansion Slot: 1 Micro SD Slot, 2*SIM Slot, 2*PSAM Slot
Network	WIFI: IEEE 802.11 b/g/n/a, 2.4G/5G 4G/3G/2G supportable GPS + AGPS with internal Antenna Bluetooth V2.1+EDR/V3.0+HS/4.1
UHF RFID	Air Protocol: ISO/IEC18000-6B, 6C / EPC C1Gen2, **C2GEN2 optional** Reading Range: 0-10m(According to Tag & Environment) RF output: 0dBm-30dBm (±1dBm) Antenna: 1* 4dBi circular Programing functions: match reading / data filter RFID-temperature & humidity sensor data acquisition customizable
HF RFID	Air Protocol: ISO15693, ISO14443A,Frequency: 13.56MHz
Physical	Dimensions(L x W x H): 230mm×144.5mm×16.5mm Weight: About 600g（include battery） Keyboard: Power key, volume up, volume down, function key F1 & F2 Storage Temp.: -30℃ ~ +65℃ Operating Temp.: -30℃ ~ +55℃ Humidity: 5% RH ~ 95%RH (non-condensing) Drop Spec.: 1.2M Drop to concrete Dust & Water Proof: IP67
Camera	800W front, 1300W rear, autofocus
Barcode	1D Laser or 2D Imager Barcode Scanner
Infrared Laser	Optional
IC Card Reader	Optional
Battery Supply	Replaceable and rechargeable battery, 8000mAh/3.85V
Accessories	Power Adapter: General purpose power adapter 5V, standard USB interface
	Communication cable: USB data cable

Features

- Flexible working with most Android OS devices
- Impinj Indy R2000 chipset brings strong prime mover
- 5000mAh large battery capacity supports 8 hours continue working ablity
- Humanist design with hand grip ergonomic for conformtable
- Various communication transfer method options match various applications
- Widely used in ITS / ETC ,execution inspection, warehousing & logistic, Smart retail



Selection Guide

Model No.	HL7202K8
Communication	Bluetooth: 2.0/2.1+EDR, communication distance is not less than 10m. Standard I/O Port: USB 2.0 Type C
UHF RFID	Air Protocol: ISO/IEC18000-6B, 6C / EPC C1Gen2 , **C2GEN2 optional** Reading Range: 0-8m(According to Tag & Environment) RF output : 0dBm-30dBm (±1dBm) Antenna: 1* 4dBi circular Programing Functions: match reading / data filter RFID-temperature& humidity sensor data acquisition customizable
Physical	Dimensions: 130mm(L)*83.5mm(W)*176mm(H) Net. weight: 0.4Kg User Input: Function Button ,Trigger, Bluetooth Button, Power Button Notification: Indicator LED, Speaker Indicators: Bluetooth Indicator, Power Indicator, Mode Indicator, Status Indicator
	Dust & Water Proof: IP53
Barcode	1D Laser or 2D Imager Barcode Scanner
Power Supply	DC 5V adapter, follow local standards
Barcode	Operating Temperature: -20 - +55°C Storage Temperature: -30 - +70°C Humidity: 5-95% non-condensing (+25℃)
Battery Supply	3.7V 5000mAh Li-Ion battery
Accessories	Power Adapter: DC 5V adapter, follow local standards Communication Cable: USB communication cable

CL7206C4 / C8

Features

- Impinj Indy R2000 chipset brings strong prime mover
- Aluminum casting housing applies to industrial scenarios
- Various communication / software interfaces match various applications
- Different developing languages SDK meet different developer needs
- Excellent communication protocol architecture support faster data processing algorithm
- Split-type design supports max data collection range, helping cost saving.
- Special applications customized interfaces / data transferring prolongable
- Seamlessly compatible with RFID middleware for rapid implementation of large projects
- Widely used in ITS / ETC , warehousing & logistic, production automation, Smart retail

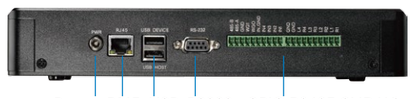
Selection Guide

Model No.	CL7206C4	CL7206C8
Hardware , OS and Firmware	Processor: ARM9, 400MHz Memory: Flash 128MB; DRAM 32 MB Operating System: Linux 2.6 Firmware Upgrade Method: Demo software / Telnet	
API Support	Windows platform – .net / .net core / C++ / Java SDK Android platform - Java Linux platform – C and Java SDK	
Programing Functions	Automatic reading/ White list Breakpoint Resume / Match reading / Data filter Data format customizable (PLC / Modbus compatible) RF Micron / EM Temperature sensor custom Services	
Physical	Dimensions: 256mm(L)*147.6mm(W)*43.47mm(H) Weight: 1.4Kg Housing Material: Die-cast aluminum Visual Status Indicators: Power, Status, Antenna port indicator	
RFID	Air Protocol: ISO/IEC18000-6B, 6C / EPC C1Gen2 , **C2GEN2 optional** 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-33dBm (±1dBm) adjustable Reading Range: 0-20m(According to Tag & Environment) Channel Bandwidth: < 200KHz Anti-collision: RSSI / Multi-tag / Intensive inventory supportable Work Mode: Fixed / Hop frequency optional	
Antenna Port	4* Reverse Polarity TNC port	8* Reverse Polarity TNC port
Connectivity	Communications: RJ45, RS-232, RS-485, USB Host&Client, Wiegand General Purpose I/O: 4 inputs, 4 relay outputs, optically isolated **External WIFI / 4G, built-in Bluetooth optional**	
Power Supply	DC 24V/2.5A (DC 9V ~ 30V,60W)	
Environmental	Operating Temperature: -20 - +70°C Storage Temperature: -40 - +85°C Humidity: 5-90% non-condensing (+25℃)	
Sealing	IIP5X standard, IP65 sealing after protective casing	

HL7206C12 / C24

Features

- Impinj Indy R2000 chipset brings strong prime mover
- Alumnum casting housing applys to industrial scenarios
- Various communication / software interfaces match various applications
- Different developing languages SDK meet different developer needs
- Excellent communication protocol architecture support faster data processing algorithm
- Split-type design supports max data collection range, helping cost saving.
- Special applications customized interfaces / data transferring prolongable
- Seamlessly compatible with RFID middleware for rapid implementation of large projects
- Widely used in Smart cabinet, documents/tools management, band assets tracking, Smart retail



Power RJ45 USB RS232 GPIO,RS485,CND,Wiegand

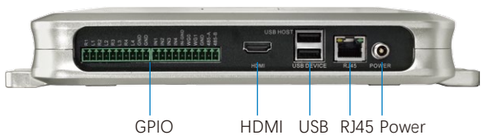
Selection Guide

Model No.	CL7206C12	CL7206C24
Hardware , OS and Firmware	Processor: ARM9, 400MHz Memory: Flash 128MB; DRAM 32 MB Operating System: Linux 2.6 Firmware Upgrade Method: Demo software / Telnet	
API Support	Windows platform – .net / .net core / C++ / Java SDK Android platform - Java Linux platform – C and Java SDK	
Programing Functions	Automatic reading/ White list Breakpoint resume / Match reading / Data filter Data format customizable (PLC / Modbus compatible) RF Micron / EM Temperature sensor custom Services	
Physical	Dimensions: 260mm(L)*134mm(W)*44mm(H) Weight: 1.3Kg Housing Material: Die-cast aluminum Visual Status Indicators: Power, Status, Antenna port indicator	
RFID	Air 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) **Supportable /optional: Russian / Japan / Korea / Malaysia / Thailand / other customizable** Output Power: 0dBm-33dBm (±1dBm) adjustable Reading Range: 0-20m(According to Tag & Environment) Channel Bandwidth: < 200KHz Anti-collision: RSSI / Multi-tag / Intensive inventory supportable Work Mode: Fixed / Hop frequency optional	
Antenna Port	12* SMA-K / female	24* SMA-K / female
Connectivity	Communications: RJ45, RS-232, RS-485, USB Host&Client, Wiegand General Purpose I/O: 4 inputs, 4 relay outputs, optically isolated **External WIFI / 4G**	
Power Supply	DC 24V/2.5A (DC 9V ~ 30V,60W)	
Environmental	Operating Temperature: -20 - +70°C Storage Temperature: -40 - +85°C Humidity: 5-90% non-condensing (+25℃)	
Sealing	IP5X standard, IP65 sealing after protective casing	

CL7206C9 / C9 PLUS

Features

- Impinj Indy R2000 chipset brings strong prime mover
- Raspbian OS based on Linux OS carrying ARM CPU keeps working without crash
- Various communication / software interfaces match various applications
- Different developing languages SDK meet different developer needs
- Excellent communication protocol architecture support faster data processing algorithm
- Split-type design supports max data collection range, helping cost saving.
- Special applications customized interfaces / data transferring prolongable
- SUPPORT middleware management software, max control 10 RFID device at same time
- Widely used in ITS / ETC , warehousing & logistic, production automation, Smart retail



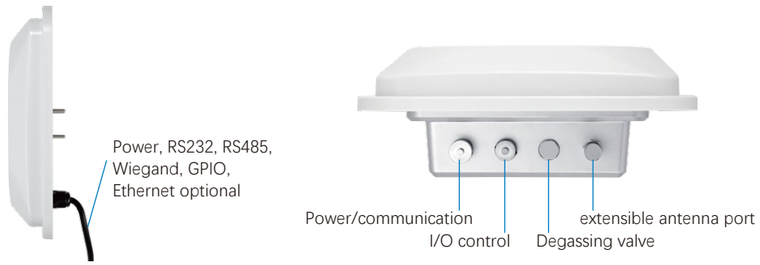
Selection Guide

Model No.	HL7206C9	HL7206C9Plus
Hardware , OS and Firmware	Processor: ARM Cortex A53, quad-core 1.2Ghz Memory: Flash 16GB; DRAM 1 GB Operating System: Raspbian GNU/Linux 9.1 (stretch) Firmware Upgrade Method: Demo software / Telnet	
API Support -As an Ordinary Reader	Windows platform – .net / .net core / C++ / Java SDK Android platform - Java Linux platform – C and Java SDK	
As a Raspbian PC	Open development environment, support java 1.8.0_65, Python 2.7.9 / 3.4.2	
Programing Functions	Automatic reading/ White list Breakpoint Resume / Match reading / Data filter Data format customizable (PLC / Modbus compatible) RF Micron / EM Temperature sensor custom Services	
Physical	Dimensions: 256mm(L)*147.6mm(W)*43.47mm(H) Weight: 1.4Kg Housing Material: Die-cast aluminum Visual Status Indicators: Power, Status, Antenna port indicator	
RFID	Air Protocol: ISO/IEC18000-6B, 6C / EPC C1Gen2 , **C2GEN2 optional** 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-33dBm (±1dBm) adjustable Reading Range: 0-20m(According to Tag & Environment) Channel Bandwidth: < 200KHz Anti-collision: RSSI / Multi-tag / Intensive inventory supportable Work Mode: Fixed / Hop frequency optional	
Middleware Software	Unlicensed	Licensed
Antenna Port	4* Reverse Polarity TNC port	
Connectivity	Communications: RJ45, RS-232, RS-485, USB Host&Client, Wiegand General Purpose I/O: 4 inputs, 4 relay outputs, optically isolated **External WIFI / 4G,Bluetooth optional**	
Power Supply	DC 24V/2.5A (DC 9V ~ 30V,60W)	
Environmental	Operating Temperature: -20 - +70°C Storage Temperature: -40 - +85°C Humidity: 5-90% non-condensing (+25℃)	
Sealing	IP5X standard, IP65 sealing after protective casing	

CL7206B2 / B5A / B6

Features

- Impinj Indy R2000 chipset / Phychips PR9200 offer different cost performances
- Alumnum casting / waterproof housing applys to all weather industrial scenarios
- Various communication / software Interfaces helps faster application system
- Different developing languages SDK meet different developer needs
- Excellent communication protocol architecture support faster data processing algorithm
- Integrated design supports better deploy /installation / engineering / wiring
- Special application projects customrized interfaces / data transfering prolongable
- Seamlessly compatible with RFID middleware for rapid implementation of large projects
- Widely used in E-parking, garbage truck, feeding vehicle, AGV, access control and so on



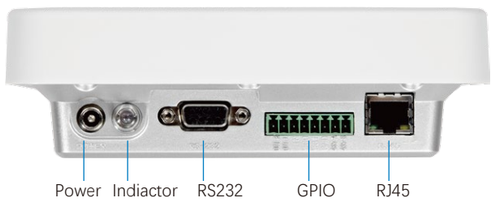
Selection Guide

Model No.	CL7206B2	CL7206B5A	CL7206B6
Hardware , OS and Firmware	Processor: ARM9, 400MHz Memory: Flash 128MB; DRAM 32 MB Operating System: Linux 2.6 Firmware Upgrade Method: Demo software / Telnet		/
API Support	Windows platform – .net / .net core / C++ / Java SDK Android platform - Java Linux platform – C and Java SDK		
Programing Functions	Automatic reading/ White list Breakpoint Resume / Match reading / Data filter Data format customizable (PLC / Modbus compatible) RF Micron / EM Temperature sensor custom Services		Automatic reading Match reading Data filter
Physical	Dimensions: 290mm(L)*290mm(W)*115mm(H	290mm(L)*290mm(W)*55mm(H)	
	N.W.: 2.5Kgs	1.6Kgs	
	Housing Material: Die-cast aluminum/ABS cover	Aluminium plate /ABS cover	
	Indicators: Power, Status, Antenna port indicator	/	
RFID	Air Protocol: ISO/IEC18000-6B, 6C / EPC C1Gen2		
	Chipset: IMPINJ Indy R2000		Phychips PR9200
	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-33dBm	0dBm-30dBm	18dBm-28dBm (±1dBm)
	Reading Range: 0-15m(According to Tag & Environment)		0-8m
	Channel Bandwidth: < 200KHz Anti-collision: RSSI / multi-tag / intensive inventory supportable Work Mode: Fixed / hop frequency optional		
Antenna	1* 9dBi Bulit-in circular polarization 1* Reverse Polarity TNC port	1* 9dBi Bulit-in circular polarization	
Connectivity	Communications: RJ45, RS-232, RS-485,Wiegand		RS-232,RS-485,Wiegand
	GPIO: 2 inputs, 2 relay outputs, optically isolated	GPIO: 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: 5-95% non-condensing (+25℃)		
Sealing	IP65		

CL7206B7A / B8A / A2

Features

- Impinj Indy R2000 chipset / Phychips PR9200 offer different cost performances
- Delicate and compact design, more friendly with end users
- Various communication / software Interfaces helps faster application system
- Different developing languages SDK meet different developer needs
- Compactly Integrated design supports better installation / engineering / wiring /
- Special application projects customized interfaces / data transferring prolongable
- Direct useable fast tag writing software greatly improves efficiency
- Seamlessly compatible with RFID middleware for rapid implementation of large projects
- Widely used in working station, data issuing, retail casher, check points, access control and so on

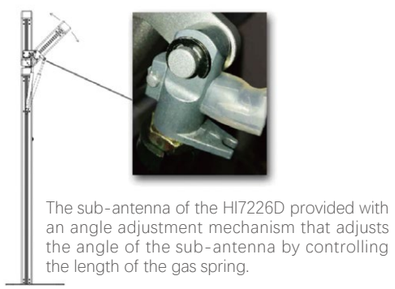


Selection Guide

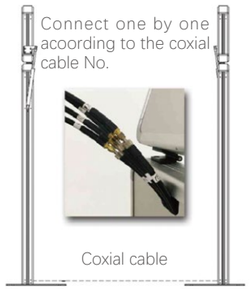
Model No.	CL7206B7A	CL7206B8A	CL7206A2
Hardware , OS and Firmware	Processor: ARM9, 400MHz Memory: Flash 128MB; DRAM 32 MB Operating System: Linux 2.6 Firmware Upgrade Method: Demo software / Telnet		/
API Support	Windows platform – .net / .net core / C++ / Java SDK Android platform - Java Linux platform – C and Java SDK		
Programing Functions	Automatic reading/ White list Breakpoint resume / Match reading / Data filter Data format customizable (PLC / Modbus compatible) RF Micron / EM Temperature sensor custom Services		Automatic reading Match reading Data filter
Physical	Dimensions: 164mm(L)*164mm(W)*49.6mm(H)		90mm(Dia)*7mm(H)
	N.W.: 0.7Kg		0.2Kg
	Housing Material: Die-cast aluminum / ABS cover		
	Visual Status Indicators: Power, Status		
RFID	Air Protocol: ISO/IEC18000-6B, 6C / EPC C1Gen2		
	Chipset: IMPINJ Indy R2000	Phychips PR9200	
	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 (±1dBm)	15dBm-27dBm (±1dBm)	
	Reading Range: 0-8m Writing Range: 0-3m	0-3m 0-1m	0-10cm 0-5cm
	Channel Bandwidth: < 200KHz		
	Anti-collision: RSSI / Multi-tag / Intensive inventory supportable		/
	Work Mode: Fixed / Hop frequency optional		
Antenna	1* 6dBi Bulit-in circular polarization antenna		1* 2dBi antenna bulit-in
Connectivity	Communications: RJ45, RS-232, RS-485,Wiegand		USB
	GPIO: 1 inputs, 1 relay outputs, optically isolated		/
Power Supply	DC 24V/2.5A (DC 9V ~ 30V,60W)		DC 5V/500mA
Environmental	Operating temperature: -20 - +70°C Storage temperature: -40 - +85°C Humidity: 5-90% non-condensing (+25℃)		
Sealing	IP5X		

Features

- Impinj Indy R2000 chipset brings max reading performance
- Aluminum casting fashion design applies to industrial/business scenarios
- Various communication / software interfaces match various applications
- Humanized design for easy assembling, working visual and audible
- Infrared/ultrasonic wave, anti-theft alarm extensible
- Excellent communication protocol architecture support faster data processing algorithm
- Special applications customized interfaces / data transferring prolongable
- Seamlessly compatible with RFID middleware for rapid implementation of large projects
- Widely used in warhousing, Archives, bank, fashion retail shop and so on



The sub-antenna of the HI7226D provided with an angle adjustment mechanism that adjusts the angle of the sub-antenna by controlling the length of the gas spring.



Selection Guide

Model No.	CL7226C	CL7226D
Hardware , OS and Firmware	Processor: ARM9, 400MHz Memory: Flash 128MB; DRAM 32 MB Operating System: Linux 2.6 Firmware Upgrade Method: Demo software / Telnet	
API Support	Windows platform – .net / .net core / C++ / Java SDK Android platform - Java Linux platform – C and Java SDK	
Programing Functions	Automatic reading/ White list Breakpoint resume / Match reading / Data filter Data format customizable (PLC / Modbus compatible)	
Physical	Dimensions: 380mm(L)*75mm(W)*1500mm(H)*2Pcs	370mm(L)*69mm(W)*1370mm(H)*2Pcs
	Weight: 18Kgs*2Pcs	13Kgs*2Pcs
	Housing Material: Die-cast aluminum, acrylic	
RFID	Air 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)	
	Supportable /optional: Russian / Japan / Korea / Malaysia / Thailand / other customizable	
	Output Power: 0dBm-30dBm (±1dBm) adjustable Channel Bandwidth: < 200KHz Anti-collision: RSSI / Multi-tag / Intensive inventory supportable Work Mode: Fixed / Hop frequency optional	
Antenna	6* 9dBi antenna	4* 8dBi antenna
Working Width	**1-3m**	**0.8-2.2m**
Infraded Sensor	**Suppotable**	
Led Alarm	**Suppotable**	
Connectivity	Communications: RJ45, RS-232, RS-485, USB Host&Client, Wiegand General Purpose I/O: 4 inputs, 4 relay outputs, optically isolated	
Power Supply	DC 24V/2.5A (DC 9V ~ 30V,60W)	
Environmental	Operating Temperature: -20 - +70°C Storage Temperature: -40 - +85°C Humidity: 5-90% non-condensing (+25℃)	
Sealing	IP54	

CL7205A / B / D / G

Features

- Low profile with high gain， reading distance range up to 15m
- Different mounting methods /connector types for match various applications
- Maximum efficiency and performance across the entire frequency band
- Seamlessly compatible with different brand RFID readers
- Widely used in parking, warehouse, forklift, production line, container yard, luggage carousel,file cabinet, smart shelf and so on

Model No.	CL7205A	CL7205B	CL7205D	HL7205G
Dimensions(L*W*H)	290*290*55mm	290*290*55mm	488*162*15mm	274*243*31.6mm
Net. Weight	0.6KG	0.3KG	1.0KG	0.6KG
Polarization	Circular Polarization			
Far-Field Gain	9 dBi	6 dBi	8 dBi	9 dBi
Beamwidth	70° x 70°	70° x 70°	45° x 45°	70° x 70°
Frequency Range	865~868MHz- 902~928MHz / customable			
Connector	SMA-Male	SMA-Male	SMA-Female	SMA-Male
Protection Level	IP66	IP66	IP64	IP4X

CL7205K / L / M / P

Features

- Low profile with high gain， reading distance range up to 20m
- Different mounting methods /connector types for match various applications
- Maximum efficiency and performance across the entire frequency band
- Seamlessly compatible with different brand RFID readers
- Widely used in ITS / ETC, refrigerator ,smart shelf, access controller,retail shop, file cabinet and so on

Model No.	CL7205K	CL7205L	CL7205M	HL7205P
Dimensions(L*W*H)	460*220*35mm	586*206*57mm	445*445*40mm	236*210*20mm
Net. Weight	2.5KG	1.6KG	1.9KG	1.0KG
Polarization	Narrow Beam	Linear Polarization	Circular Polarization	Circular Polarization
Far-Field Gain	10 dBi	12 dBi	12 dBi	8 dBi
Beamwidth	45° x 70°	50° x 70°	45° x 45°	45° x 45°
Frequency Range	865~868MHz- 902~928MHz / customable			
Connector	SMA-female	N-Female	N-Female	SMA-Male
Protection Level	IP66	IP66	IP66	IP66

CL7206D3 / 2 / 4 / 8

Features

- ISO 18000-6C/6B, EPC Global C1G2 /C2G2 supportable UHF RFID transceiver
- Provide corresponding development board
- Different developing languages SDK meet different developer needs
- Fully interoperable in different global regulatory environments such as US, EU, GB
- Widely used in professional split-type Fixed RFID Reader/integrated RFID Reader / RFID Tag Writer integration

Model No.	CL7206D3	CL7206D2	HL7206D4	HL7206D8
Chip	Phychips PR9200	IMPINJ Indy R2000		
Dimensions	28mmx25mmx3mm	47.5mm*45mm*3.9mm	51mm*76.7mm*5.3mm	90mm*77.05*8.9mm
Power supply	DC3.3V	3.7V~6V		
RF Conntector	1*Surface mount solder	2*Surface mount solder	4*SMA-female	8*SMA-female
RF conntector	6B,6C / EPC C1G2	ISO/IEC18000-6B,6C / EPC Global C1 Gen2, **C2 GEN2 optional**		
Protocol	865-928MHz Adjustable			
Output Power	18 ~ 28dBm	0 ~ 30dBm		
GPIO	Surface mount solder	Surface mount solder	4*SMA-female	8*SMA-female
GPIO	/		2 Inputs, 2 Outputs (3.3 Electric Level)	

CL7206A5 / C8A

Features

- ISO 18000-6C/6B, EPC Global C1G2 /C2G2 supportable UHF RFID transceiver
- Multiple interfaces help to accelerate system development speed
- Seamlessly compatible with RFID middleware
- Fully interoperable in different global regulatory environments such as US, EU, GB
- Widely used in professional ODM/OEM split-type & integrated type RFID reader/writer

Model No.	CL7206A5	CL7206C8A
System	CPU: ARM9, 400MHz / Operating System: Linux 2.6 Firmware Upgrade Method: Demo Software / Telnet	
API Support	Windows – .net / .net core / C++ / Java SDK /Android - Java /Linux – C and Java SDK	
Physical	Dimensions: 105mm(L)*95mm(W)*18mm(H)	210mm(L)*107mm(W)*24mm(H)
	N.W.: 0.2Kg	
RFID	Air Protocol: ISO/IEC18000-6B, 6C / EPC C1Gen2, 865MHz - 928MHz adjustable	
	Reading Range: 0-20m (depends on antenna / application	
Antenna Port	2*SMA-female	8*SMA-female
Connectivity	Communications: RJ45, RS-232, RS-485,Wiegand,GPIP	
Power Supply	DC 24V/2.5A (DC 9V ~ 30V,60W)	

UHF Paper Labels

Item	RFID Labels	RFID Files Labels	RFID Retail Label	RFID Jewelry Label
Model NO.	CL7203L2	CL7203L3	CL7203L4	CL7203L5
Picture				
Chip	Alien H3	Impinj M5	Alien H3	U Code7
Reading Range	⩾8M	⩾8M	⩾8M	⩾4M
Writing Range	⩾3.5M	⩾2-3M	⩾3.5M	⩾2M
Size	73*24*0.3mm/ 100*50*0.3mm	102*5*0.4mm/ 100*12*0.4mm	50*50*0.3mm	100*14*0.3mm
Housing Material	coated paper or PET optional			

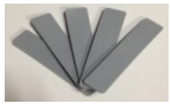
UHF Anti-metal Tags

Item	UHF Flexible Metal Label	Ceramic RFID Anti-metal Tag	PCB RFID Anti-metal Tag	ABS RFID Anti-metal Tag
Model NO.	CL7203S	CL7203E-25	CL7203E-70	CL7203E-135
Picture				
Chip	Alien H3 / Impinj monza R6 optional		Alien H3 /Impinj M4QT optional	
Reading Range	⩾10M	⩾5M	⩾6M	⩾6M
Writing Range	⩾1-3M	⩾1.5-2M	⩾2M	⩾2M
Size	55*15*1.25mm 65*35*1.25mm 95*22*1.25mm	25*9*3.5mm	36*13*3mm 80*20*3.5mm 90*20*3.5mm 95*25*3.5mm	135*22*12.5mm
Housing Material	PET film /Graham bottom paper	Ceramic	PCB	ABS

UHF Vehicle Tags

Item	RFID Windshield Tag	RFID Vehicle Light Tag	Windshield Fragile Tag Card	UHF RFID PVC Card
Model NO.	CL7203L8	CL7203L8L	CL7203L8A	CL7203L1
Picture				
Chip	Alien H3	Impinj M4QT	Impinj M4QT	Alien H3
Reading Range	⩾18m	⩾15m	⩾15m	⩾15m
Writing Range	⩾1M	⩾1M	⩾1M	⩾3.5M
Size	110*40*0.32mm	110*40*0.32mm	110*40*0.32mm	85*54*0.7mm
Housing Material	PET film, special fragile Paper			PVC

Specil Application Tags

Item	RFID Wristband Tag	RFID Tie Tag	RFID Silicone Laundry Tag	PPS Button Tag
Model NO.	CL7203L10W	CL7203T1	CL7203L6	CL7203L7
Picture				
Chip	Impinj M4QT	Alien H3		
Reading Range	⩾5M	⩾8M	⩾5M	⩾2M
Writing Range	⩾2M	⩾4M	⩾3M	⩾1M
Size	35.3*31*12.6mm	448*28*8 mm	55*12*2.5mm	φ25.5MM H:2.7MM Hole:1.5MM
Housing Material	ABS	PP	Silicone	high temperature PPS

Baggage Tracking in Vietnam

RFID Parking Solution

Personnel Tracking in Factory

Inventory Management

Personnel Tracking in Exhibition

Now

Focus on RFID
technology
welcome your inquiry

2017

Changed name to
Shenzhen Hopeland
Technologies VO.,Ltd

2013

RFID products sold
international market
-more than 30countries

2011

1st intellectual pro
-perty rights 4-port
RFID reader

2009

Clou IoT Dept.set up

2008

Launched RFID
hand-heid devices

2005

RFID digital sealing
system in all-round
popularization

2004

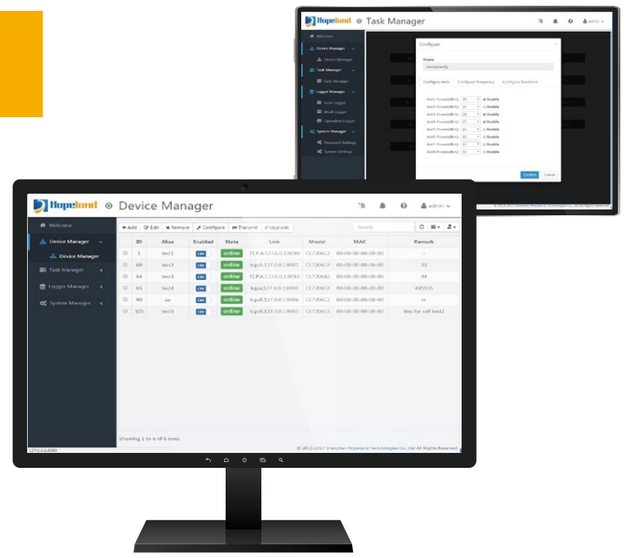
RFID digital sealing
system development

2003

Start R&D of RFID

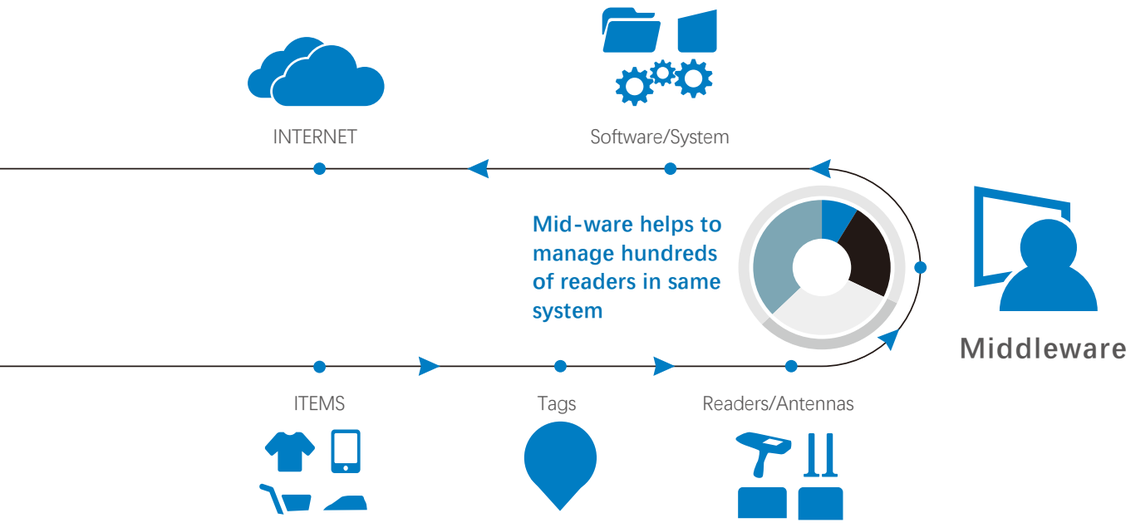
RFID Middleware

You care your system
We care you



Features

1. Support tag filtering
2. Support clock synchronization
3. Multi-reader management (Max 100 sets at same time)
4. Support customized service, easy development
5. Support WebService interface remote control
6. Independently for clients-side
7. Client-side independently to batch configuration
8. Complete log management system
9. Cross platform service



RFID Application Pain Points

1. Software team is not familiar with RFID technology, development need long time.
2. Software team is not familiar with RFID device maintenance
3. Need multiple devices in one project, programming working much more than based on device SDK
4. Multi-antenna working mode with collision will influence performance
5. Can not get real time working status of all RFID devices
6. Multi-language application development demands, but only English demo software

Advantages

Intelligent
Connect RFID devices and application system

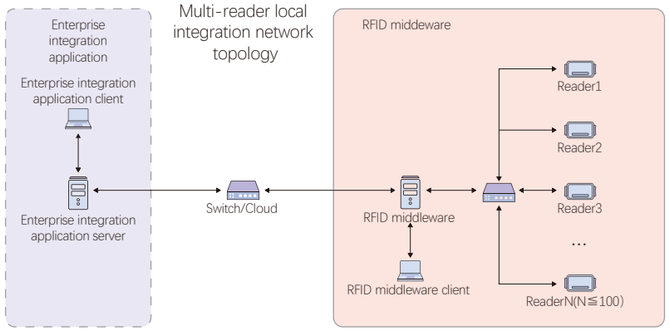
Smart
No need for device SDK program

Real-time
Control all devices state by manufacturer / end users

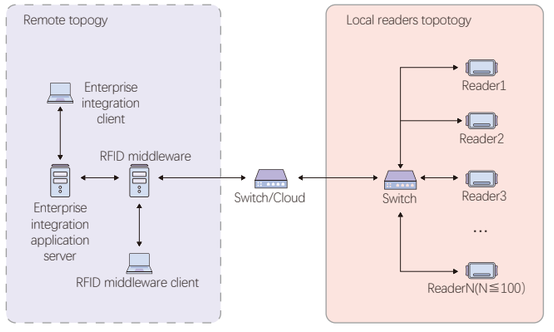
Humanistic
Only offer the data what you need

How it Works?

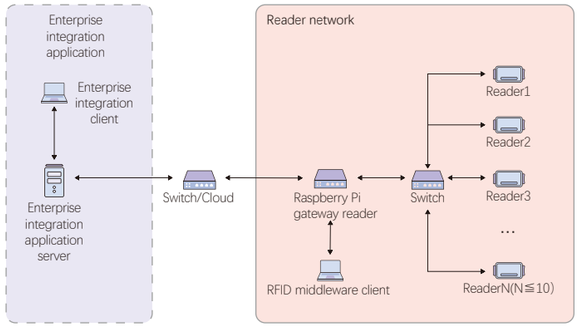
Multi-reader local integration network topology



Multi-reader remote integration network toplogy



Lightweight application integration network toplogy



RFID ETC Solution

The traditional way of highway manual toll will delay the driver's time and increase the labor cost.
1) High personnel input and management cost.A large number of lanes require a large number of toll collectors, resulting in large personnel input costs and high operating and management costs.
(2) Complicated operation and slow passage.Judging vehicle type, inputting license plate, cash transaction and other charging operations are easy to lead to long payment time, resulting in slow vehicle speed.
(3) Round-the-clock duty charge.As a result of the job need, toll collector goes to work 24 hours, especially night shift stays up late working, go against the health of body and mind of toll collector.

UHF RFID Solution

Electronic Toll Collection (ETC) is the most advanced Toll Collection method in the world.Through the special short-range communication between the on-board electronic tag mounted on the windshield of the vehicle and the antenna mounted on the ETC lane of the toll station, the network technology of the computer is used to carry out the background settlement processing with the bank, so as to achieve the purpose of the toll station without stopping the vehicle to pay the toll.

Application results:
(1) Improve vehicle traffic efficiency.
(2) Replace cumbersome cash transactions.
(3) Save energy and reduce pollution.

Related Products

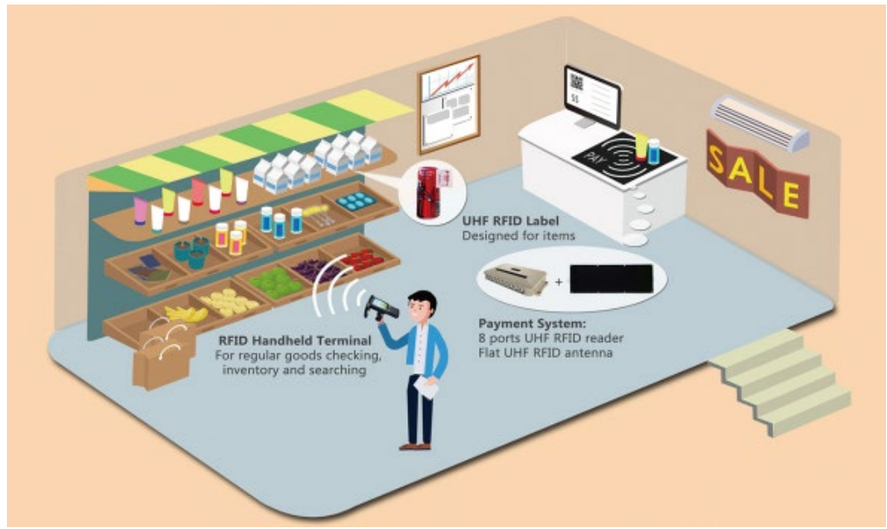
4 Ports Fixed
Reader CL7206C4

Liner UHF RFID
Antenna CL7205L

RFID Tag for Vehicle
Windshield CL7203L8

Traditional store management pain point
Operating aspects:
1. High operating costs, rent, labor and other costs do not change with the quality of business, opening a store will have to spend;
2. Inventory is difficult to master.Waiting on the door will lead to poor product reserve planning, there is not enough to sell or can not sell out and other conditions
Consumer aspects:
1. Purchasing daily necessities is inconvenient and far away.
2. There is no 24-hour store in the evening, and difficult to meet any emergency.

RFID in Retail



UHF RFID Solution

New retail, that is, individuals, businesses, which is based on the Internet, through the use of big data, advanced technology means such as artificial intelligence and psychology knowledge, commodity production, circulation and sales process upgrading, and restore the structure of the formats and the ecosystem, and online services, offline experience and in-depth integration of modern logistics and retail new pattern.
RFID electronic tags are attached to every single product sold. Through hopeland's multi-channel reader, the whole process from the settlement of purchased goods to the control of anti-theft can be realized automatically, and the whole process of shopping can be realized unmanned.Unmanned retail stores can not only break the time limit of traditional retail mode, but also upgrade the shopping experience.RFID, big data, cloud computing and other technologies can provide users with more personalized products and services and experience, and achieve social operation and accurate marketing.

No.	Device	Function	Features
1	Fixed RFID Reader	Payment and Access Management	8 Port RFID Reader
2	Flat Antenna	Access Check	
3	Infrared Sensor	Track the goods,activate tag reading and direction identify	Connect with Reader
4	High Performance Antenna	Cashier to Indentify Goods	
5	Handheld Terminal	Good information check,search and inventory	Two types of long and short distance