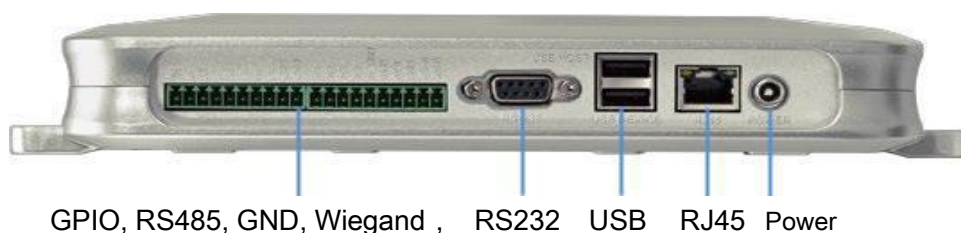




CL7206C4

## Features

- Impinj Indy R2000 chipset brings strong prime mover
- Split-type design supports max data collection range, helping cost saving
- Special applications customized interfaces / data transferring expandable ( WiFi or 4G )
- Aluminum casting housing and installation-friendly I/O connector apply to industrial scenarios
- Different developing languages SDK and online update meet different developer needs
- RJ45, RS232, RS485, Wiegand, USB... various communication interfaces match various applications
- C2GEN2 optional communication protocol architecture supports faster data processing algorithm
- Seamlessly compatible with RFID middleware for rapid implementation of large projects, widely used in ITS / Smart Grid, execution inspection, warehousing & logistic, Smart retail



## Specifications

### Hardware, OS and Firmware Management

|                  |                                                                                       |
|------------------|---------------------------------------------------------------------------------------|
| Processor        | ARM9, 400MHz                                                                          |
| Memory           | Flash 128MB; DRAM 32 MB                                                               |
| Operating System | Linux 2.6                                                                             |
| Firmware Upgrade | Demo software / Telnet                                                                |
| API Support      | Windows – .NET, C++ and Java SDK<br>Android - Java<br>Linux platform – C and Java SDK |

### Physical Characteristics

|                          |                                       |
|--------------------------|---------------------------------------|
| Dimensions               | 256mm(L)*147.6mm(W)*43.47mm(H)        |
| Weight                   | 1.41Kgs                               |
| Housing Material         | Die-cast aluminum                     |
| Visual Status Indicators | Power, Status, Antenna port indicator |

### RFID Characteristics

|                       |                                                                                                                                                                                             |
|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Air Protocols         | ISO / IEC18000-6B,6C / EPC C1Gen2, <b>C2GEN2 optional</b>                                                                                                                                   |
| Chipset               | Impinj Indy R2000                                                                                                                                                                           |
| Frequency             | USA: 902 MHz-928MHz (FCC part 15)<br>EU: 865-868MHz (ETSI EN 302208)<br>CN: 920-925MHz (CMIIT)                                                                                              |
| Supportable /optional | <b>Russian / Japan / Korea /<br/>Malaysia / Thailand / other customizable</b>                                                                                                               |
| Programing Functions  | Automatic reading/ White list<br>Breakpoint Resume / Match reading / Data filter<br>Data format customizable (PLC / Modbus compatible)<br>RF Micron / EM Temperature sensor custom Services |
| Output Power          | 0dBm-33dBm ( $\pm 1$ dBm) adjustable                                                                                                                                                        |
| Channel bandwidth     | < 200KHz                                                                                                                                                                                    |
| Reading Distance      | 0-20m (According to Tag & Environment)                                                                                                                                                      |
| Anti-collision        | RSSI / multi-tag / intensive inventory supportable                                                                                                                                          |
| Work Mode             | Fixed / hop frequency optional                                                                                                                                                              |

### Connectivity

|                |                                                                                                 |
|----------------|-------------------------------------------------------------------------------------------------|
| Antenna Ports  | 4 Reverse Polarity TNC ports; circular or linear polarization;<br>near and far field compatible |
| Communications | RJ45, RS-232, RS-485, USB Host & Client, Wiegand                                                |

|                      |                                                                                                                                                   |
|----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|
| General Purpose I/O  | 4 inputs (DC 0~24V), 4 outputs (DC_MAX:30V,2A;<br>AC_MAX:125V,0.3A), optically isolated<br><b>External WIFI / 4G, built-in Bluetooth optional</b> |
| Power supply         | DC 24V/2.5A (DC 9V ~ 30V, 30W)                                                                                                                    |
| <b>Environmental</b> |                                                                                                                                                   |
| Operating Temp.      | -20 - +70°C                                                                                                                                       |
| Storage Temp.        | -40 - +85°C                                                                                                                                       |
| Humidity             | 5-90% non-condensing (+25°C)                                                                                                                      |
| Sealing              | IP5X standard, IP65 sealing after protective casing                                                                                               |

## Construction Appearance

