



CL7206B2

## Features

- Powered by Impinj Indy R2000 chipset for maximum tag detection performance
- Kinds of communication interfaces: RJ45, RS232, RS485, Wiegand
- Integrated 9dBi antenna, up to 15m detection range, extra antenna port supported
- Reader cache support break-point resume 10,000pcs tag IDs in offline mode
- Support RSSI, antenna detection, online update
- RSSI & speed filters
- IP65 protection rating for reliable deployment in harsh environment



# 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       | 290mm(L)×290mm(W)×115mm(H)            |
| Weight           | 2.5Kgs                                |
| Housing Material | Aluminum plate, ABS cover             |
| Indicators       | Power, Status, Antenna port indicator |

## RFID Characteristics

|                       |                                                                                                                                                                                             |
|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Air Protocols         | ISO/IEC18000-6B,6C / EPC C1Gen2, <b>GEN2V2 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 |
| Built-in antenna      | Circular 9dBi, VSWR ≤ 1.4:1                                                                                                                                                                 |
| Output Power          | 0dBm-33dBm (±1dBm) adjustable                                                                                                                                                               |
| Channel bandwidth     | < 200KHz                                                                                                                                                                                    |
| Reading Distance      | 0-15m (According to Tag & Environment)                                                                                                                                                      |
| Anti-collision        | RSSI / multi-tag / intensive inventory supportable                                                                                                                                          |
| Work Mode             | Fixed/hop frequency optional                                                                                                                                                                |
| <b>Connectivity</b>   |                                                                                                                                                                                             |
| Communications        | RJ45, RS-232, RS-485, Wiegand                                                                                                                                                               |
| General Purpose I/O   | 2 inputs (DC 0~24V), 2 outputs (DC_MAX:30V, 2A;                                                                                                                                             |

|                      |                                                                                                |
|----------------------|------------------------------------------------------------------------------------------------|
|                      | AC_MAX:125V,0.3A), optically isolated                                                          |
| Antenna Port         | 1 Reverse Polarity TNC port; circular or linear polarization;<br>near and far field compatible |
| 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              | IP65                                                                                           |

## Construction Appearance

