AI-RF-DT-CL02

AI-RF-DT-CL02 USB Desktop Reader/Writer is a product independently developed by AutoID. The product is a high-performance UHF RFID reading and writing device integrating antenna and reader. It is small and exquisite. It complies with ISO/IEC 18000-6c/epc C1G2 standard and is mainly used in assembly line station management, retail store cashier, background card issuing and other scenarios.

Features

- Built in circularly polarized antenna.
- USB Type-C for power supply & communication.
- Simply switch between two working modes, USB read/write mode / USB HID keyboard output mode.
- Free tag writing software greatly improves efficience.
- Compactly Integrated design supports better deploy / installation.

Typical Application

- Assembly line station management
- Management of books, documents, jewelry, cultural relics, etc
- Medical devices, drug management, etc

Specifications

SDK AND FIRMWARE MANAGEMENT	
Firmware Upgrade	Demo software
API Support	Windows platform– .Net /Java SDK Android platform - Java SDK Linux platform – Java SDK
PHYSICAL CHARACTERISTICS	
Dimensions	170mm×120mm×17mm
Weight	0.25kg
Housing Material	Aluminum +Acrylic
Visual Status Indicators	Power & Working status indicators
RFID CHARACTERISTICS	
Air Protocols	ISO/IEC18000-6B, 6C / EPC C1Gen2 C2GEN2 optional
Frequency	CHN： 920MHz ~ 925MHz (CMII) USA: 902 MHz-928MHz (FCC part 15) EU： 865MHz ~ 868MHz (ETSI EN 302208)
Antenna	Built-in antenna, circular polorization
Output Power	0dBm-30dBm (±1dBm) adjustable
Channel bandwidth	＜200KHz
Reading Distance	0-1m(According to Tag & Environment)
Anti-collision	Support multi-tag / intensive inventory
Work Mode:	Fixed/hop frequency optional
CONNECTIVITY	
Communications	USB Type-C
General Purpose I/O	1 optcoupler input, 1 pair 5V output or wiegand output (wiegand output is shared with 5V output)
Power supply	USB Type-C 1.3W@10dBm， 1.8W@20dBm， 3.5W@30dBm
ENVIRONMENTAL	
Operating Temp.	-20 - +70°C
Storage Temp.	-40 - +85°C
Humidity	5-95% non-condensing (+25℃)
Sealing	IP5X