HZ140F/G

Features

- Powered by Impinj Indy E510/E310 chipset for maximum tag detection performance
- 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
- Excellent communication protocol architecture supports faster data processing algorithm
- Compactly Integrated design supports better deploy / installation / engineering / wiring
- Special application projects customized interfaces / data transferring expandable
- 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, date issuing, retail casher, check points, access control, etc.

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Specifications

Hardware, OS and Firmware Management	
Operating System	Linux 2.6
Firmware Upgrade	Demo software / Telnet
API Support	Windows platform – .net / .net core / C++ / Java SDK Android platform – Java Linux platform – C and Java SDK
Physical Characteristics	
Dimensions	133mm×133mm×52mm
Weight	0.75Kg
IP Level	IP65
Housing Material	Die-cast aluminum / ABS cover
Indicators	Power, Status
RFID Characteristics	
Air Protocols	ISO/IEC18000-6C / EPC C1Gen2
Chipset	Impinj E510/310
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**
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
Built-in antenna	Circular 6dBi, VSWR ≤ 1.2:1
Output Power	0dBm-30dBm (±1dBm)
Channel bandwidth	< 200KHz
Reading Distance	0-12m (According to Tag & Environment)
Sensitivity	≤-74dBm@250KM4, ≤-79dBm@160KM8
Anti-collision	RSSI / multi-tag / intensive inventory supportable
Work Mode	Fixed / hop frequency optional
Connectivity	
Communications	RJ45, RS-232, RS-485, Wiegand, **optional**

	WiFi(Wi-Fi802.11b/g/n**)/Bluetooth(**BLE4.2 + SPP3.0 **)**
General Purpose I/O	1 input(DC 0~24V), 2 output(**wiegand output is shared with 5V output**), optically isolated
Power supply	DC 24V/2A (DC 9V ~ 30V, 30W)
Working power consumption	10W (output power 30dBm)
Environmental	
Operating Temp.	-20 - +70°C
Storage Temp.	-40 - +85°C
Humidity	5-90% non-condensing (+25℃)

Construction Appearance