

iReader-600 RFID UHF Reader

KEY FEATURES:

- Wi-Fi connectivity support provides flexible and easy installation without running Ethernet cable to the reader and allows low cost deployment and integration into existing enterprise Wi-Fi networks
- Support for TI Smart-Config for easy network parameters (IP address) setup
- Support for autonomous and on-demand tags read
- Support 8-ports MCX connector
- Control iSwitch-300 directly to expand read points
- A small form factor (1.25"H x 7.0"W x 4.5"D)
- Low cost of ownership
- Windows DLL and Linux C/C++ SDK for application development



DESCRIPTION:

The iReader-600 is an 8-Ports Wi-Fi connected RFID UHF Reader. Driven by Impinj indy R2000 reader chip set with improved reading sensitivity, the iReader-1000 supports unparalleled read performance. By using innovative multiplexing technology, the reader is capable of accessing up to 256 antenna read points, making it well suited and the ideal choice for a wide range of enterprise applications such as smart shelf design, real time assets tracking, and even Internet of Things. The Wi-Fi connectivity support will allow it to be easily deployed and integrated into existing enterprise Wi-Fi network.

PHYSICAL CHARACTERISTICS:

Dimensions: 7”(W) x 4.5”(D) x 1.25”(H)
 Weight: 2.2 lbs.
 Enclosure: Metal

MOUNTING:

Wall mounting, vertical placement

POWER ADAPTER:

- Input: AC 100 ~ 240V/1.5A
- Output: DC 12V/3A

FREQUENCY RANGES:

- US: 902 ~ 928 MHz
- EU: 865 ~ 868 MHz
- China: 920.5 ~ 924 MHz
- JP: 952 ~ 954 MHz

TAG AIR PROTOCOLS:

- EPC Class1 Gen2
- ISO18000-6C

EPC DRM (DENSE READER MODE):

Yes

RF OUTPUT POWER:

5 ~ 30 dBm in 1 dB step

ENVIRONMENT:

- Operating Temperature: -10 ~ 55 C
- Storage Temperature: -20 ~ 80 C
- Humidity: 10% ~ 90%

READ RANGE:

6 meters with 8dBi antenna

RFID CHIPSET:

Impinj R2000

ANTENNA TYPE:

Mono-static antenna

RF PORT & CONNECTOR:

- 8 MCX Ports
- Expandable to 256 ports with iSwitch-300 Multiplexer

COMMUNICATION INTERFACE:

Wi-Fi, TCP/IP

SOFTWARE SDK:

- Windows DLL, C/C++ driver API
- Support for TI Smart-Config for network parameters (IP address) setup
- Support for autonomous and on-demand tags read

Specifications are subject to change without notice.

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