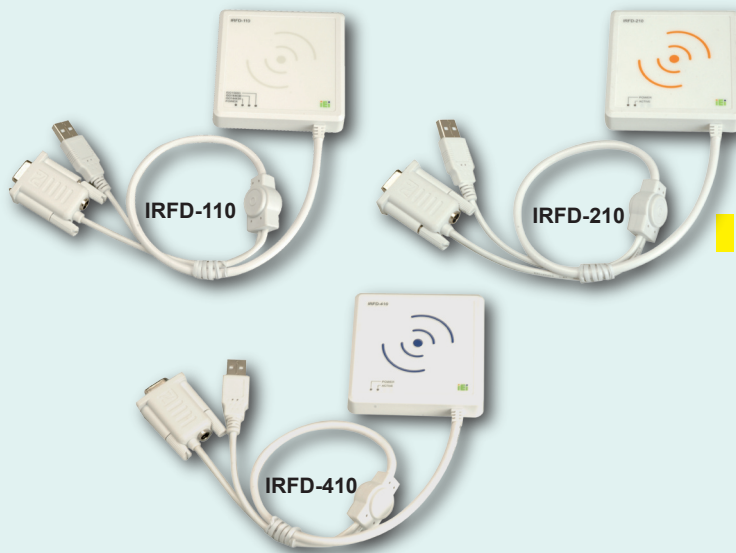


IRFD-110/210/410

LF/HF Compact Desktop RFID Reader



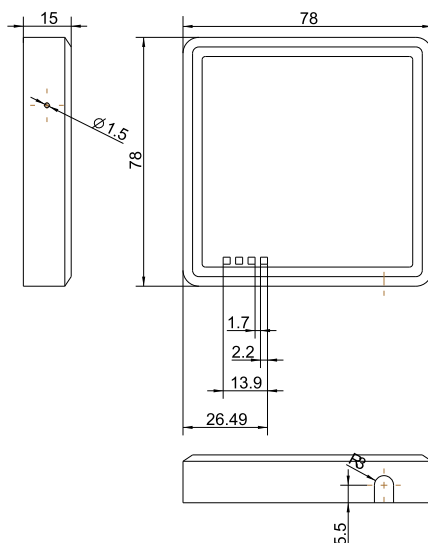
Features

1. 125 KHz/13.56 MHz radio frequency desktop RFID reading module
2. Keyboard event support (USB only)
3. Support standard protocol for vicinity card applications reads multiple tags simultaneously
4. Reader to reader anti-collision
5. Single power supply and low power consumption
6. Various interfaces to main system
 - 115.2 Kbps maximum serial communication speeds (with adapter)
 - USB

Specifications

	IRFD-110	IRFD-210	IRFD-410
Operating frequency	13.56 MHz	125 KHz	13.56 MHz
UART	RS-232	RS-232	RS-232
USB	USB 2.0 full speed with 3.3/5V logic levels	USB 2.0 full speed with 3.3/5V logic levels	USB 2.0 with 3.3/5V logic levels
RFID Protocol	ISO 15693 (R/W)	ISO 11784, ISO 11785 (EM4305/EM4450 R/W)	ISO 14443A/Mifare (R/W)
Control Interface	USB/RS-232	USB/RS-232	USB/RS-232
RFID ASIC	TI TRF7960	EM4095	PN532
Processor	TI MSP430	AT90USB162 and ATMEGA64	PN532 and AT90USB162
Dimensions	22mm X 50mm X 7mm	22mm X 53mm X 7mm	22mm X 53mm X 7mm
Power Consumption	5V @150mA	5V @150mA	5V @150mA
Storage Temperature	-10°C~ 70°C	-10°C~ 70°C	-10°C~ 70°C
Operating Temperature	0°C~ 50°C	0°C~ 50°C	0°C~ 50°C
Operating Humidity	10%~85% RH	10%~85% RH	10%~85% RH
Driver Support	Windows® XP/XPE	Windows® XP/XPE	Windows® XP/XPE

Dimensions (Unit : mm)



Packing List

- 1 x IRFD-110 / IRFD-210 / IRFD-410
- 1 x Utility CD including SDK, utilities, and technical documents
- 1 x 5VDC 12W power adapter with DC plug in females; 100-240VAC input
- 1 x USB / RS232 Y cable

Ordering Information

Part No.	Description
IRFD-110-R10	Window® XP Integration Product, RFID READER, HF 13.56MHZ, TITRF7960, USB/UR INTERFACE, RoHS
IRFD-210-R10	Window® XP Integration Product, RFID READER, LF 125KHZ EM4095, USB/UR INTERFACE, RoHS
IRFD-410-R10	Window® XP Integration Product, RFID READER, RoHS