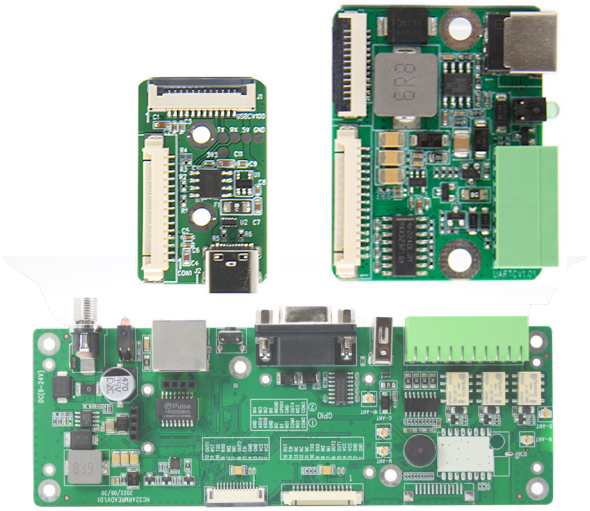
EMBEDDED UHF INTERFACE BOARDS

B900 / B200 / B100



PRODUCT DESCRIPTION

The iDTRONIC EMBEDDED UHF INTERFACE BOARDS are designed for easy RF module testing and assembly of complete machines. The product series adopts an industrial-grade design. A variety of modules, such as M600, M620, M630, M650, M670, can be directly connected to the board.

Standard communication interfaces such as USB, USB Type-C, RS232 and TCP/IP are provided. These boards are convenient for evaluating the performance of RF modules and can be combined with a shell to make a fixed reader with compact structure, convenient installation, and stable performance, suitable for various industrial applications.

The interface boards also facilitate testing of GPIO operations, reset, power-on control, etc. They are powered by 9-24V,USB-C or PoE (802.3at/af).

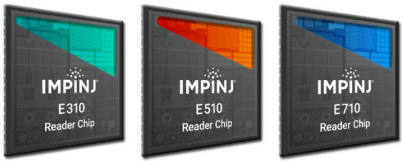
iDTRONIC's clients can quickly evaluate the performance of RF modules thanks to these boards, and develop their own products based on open-source information.

▶ APPLICATIONS

- RFID UHF Module Testing
- Electronics Development
- Production / Manufacturing

▶ FEATURES

- Communication Interfaces: USB (2.0, Type C), RS232 and Ethernet
- GPIO Ports
- IP Reset Button
- LED Power / Status Indicator Lights
- 12-Pin FPC or 15-Pin Ribbon Connectors



Compatible with iDTRONIC UHF Modules with IMPINJ RFID ICs inside

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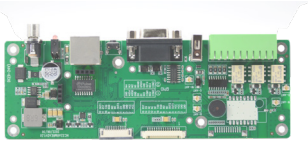
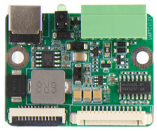
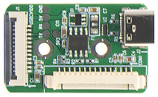
iDTRONIC
PROFESSIONAL RFID

TECHNICAL DATA

	B900	B200	B100
GENERAL SPECIFICATIONS			
Description	EMBEDDED UHF INTERFACE BOARD - B900	EMBEDDED UHF INTERFACE BOARD - B200	EMBEDDED UHF INTERFACE BOARD - B100
Dimensions	160 × 64 × 19.2 mm	35 × 45 × 11.6 mm	35 × 22 × 4.6 mm
Weight	79.8 g	14 g	3.6 g
ELECTRICAL SPECIFICATIONS			
Power Supply	9-24V with standard adapter (12V/3A) POE power supply (compatible with 802.3af or 802.3at standard)	9-24V with standard adapter (12V/3A)	USB Type-C 5V
Power Consumption	Equipped with SIM7400, standby is 1.76W, operation is 16.2W; Single board is 0.7W during operation. POE power supply capacity: Using a 100-meter ultra-five-category network cable, different types of POE switches have deviations. Adopt 803.at method for power supply, the maximum load carrying capacity is 25.1w (11.93V/2.1A).	0.5W during operation of the single board	0.5W during operation of the single board
Communication Interface	10M/100M adaptive Ethernet, RS232 (9600-230400 bps), USB (9600-921600 bps)	RS232 (9600-460800 bps)	USB (9600-921600 bps)
Connectors	12-Pin FPC and 15-Pin Ribbon		
GPIO	4 input, 4 strong driver output (each pull-up current can reach 250mA)	1 input, 1 strong driver output (each pull-up current can reach 250mA)	-
Indicator LEDs	Power indicator (green), Status indicator (red)	Power indicator (green)	-
ENVIRONMENTAL CONDITIONS			
Operating Temp.	-25°C to +65°C		
Storage Temp.	-40°C to +85°C		
Humidity	5-95% non-condensing		
SDK INFORMATION			
Supported OS	Windows, Linux, Android		
Languages	C, C#/.NET, Java		
Demo Software	Windows		
ORDER CODES			
	ACC-CB-UHF-ET	ACC-CB-UHF-232	ACC-CB-UHF-USB

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