UHF 4-PORT READER
IDT 401 C
Designed using Impinj E710 module

Android 13   impinj E710 module   Durable   UHF RFID

The IDT-401 C is an indigenously built UHF 4-port RFID reader designed for large-scale RAIN RFID applications. Powered by Android 13 and the Impinj E710 module, it delivers fast and accurate tag reading with speeds of over 1300+ tags per second. With compatibility across multiple antenna types and reliable performance in challenging RF environments, the IDT-401 C is well suited for warehouse, retail, and industrial applications.

PHYSICAL PARAMETER

Dimension	210mm (L) x 150mm (W) x 35mm (H)
Weight	1220 g
Material	Aluminium alloy
Power Supply	Adapter/PoE
Comm Interface	1*RS-232 , 1*RJ45, 3*USB2.0 Type A, 1*Type C, USB Host
Display Interface	HDMI Type A, support 720P
GPIO	4 Input Optical-couplings, 4 Output Optical-ouplings, isolation, 1 Wiegand (Optional)
Baud Rate	115200 bps
Expansion Slot	1 slot for Nano SIM card, 1 slot for TF card (optional)
Cooling Mode	Air cooling

ENVIRONMENTAL SPECIFICATIONS

Operating Tempreture	-25 ℃ to +65 ℃
Storage Temperature	-40 ℃ to +85 ℃
Humidity	5-95% non-
Protection Class	condensing IP 64

COMMUNICATION

WLAN	Support 802.11
WWAN	2G,3G,4G (optional)

PERFORMANCE

CPU	Qualcomm 1.8 GHz Octa-core 3
RAM+ROM	GB + 32 GB
	2 GB + 16 GB (optional)

UHF RFID

Module	Impinj E710
Frequency	865-868 MHz; 902-928 MHz
Protocol	EPC global UHF Class 1 Gen 2 / ISO 18000-6C 0
Output Power	to 30 dBm (adjustable)
Read Rate	1300+ tags/sec
Receive Sensitivity	<=84 dBi
Antenna Port	4 TNC port
Regulatory Approvals	CE, FCC, RoHS
Reading Range	Up to 20m (Antenna Dependent)

DEVELOPING ENVIRONMENT

SDK	Android / IOS SDK Supported
Operating System	Android 13
API Support	Java
Tool	Eclipse / Android Studio

ACCESSORIES

ORDER INFORMATION

Part Number	IDT.UHF.401C

APPLICATION AREA

Clothing and Footwear Retail	Manufacturing Unit	Transportation	Supply Chain	Asset Inventory

The product specifications and descriptions listed in the specification sheet are subject to change anytime without notice.