iData UR41-S0 Fixed RFID Reader

Compact & lightweight, high receiver sensitivity; Convenient for rapid deployment and wide-range utilization

The iData UR41-S0 is a compact fixed RFID reader with a lightweight design. It utilizes a high-power module which makes it strong in both reading and writing. It can be controlled remotely via network commands, and it's also able to work in harsh warehouse or production environments. This RFID reader is versatile and can be applied in various RFID systems such as production lines, logistics, access control systems, anti-counterfeiting systems, and production process control, making it a competent RFID equipment in various scenarios.

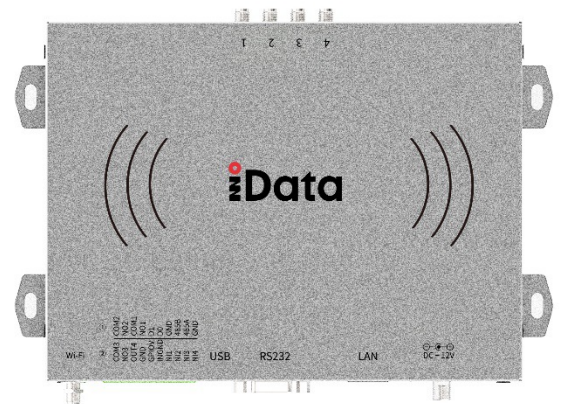### Compact, flexible installation, broader range

Features a compact size with a housing thickness of only 27mm, easy to install. With a 4-channel design, it can accommodate more antennas for users. It is suitable for various scenarios such as production, warehousing, logistics, and asset management.

High-power module, compatible with various chips

Supporting up to 33dBm of output power, it can adapt to various mid-range, high-end, and low-end reader chip requirements, making it an ideal RFID infrastructure.

Multiple communication methods for rapid deployment

Equipped with RJ45, serial port, Wi-Fi, and wireless wide area network (WWAN) communication methods, it can adapt to different access methods in various environments, making it convenient to access different terminals quickly to complete the deployment.

Inbound and Outbound management

Production management

Fixed asset management

Public utility management

UR41-S0 Technical Specifications

System Configurations

Working voltage	DC9-24V
Power consumption	Standby 2.5W, Working 13.5W (Maximum)
Indicator light	Power indicator light*1, green Status indicator light*1, red
Reset switch	IP reset switch*1
GPIO interface	4-slot output, 4-slot input
Communication interface	USB 2.0 RS232 RJ45 10M/100M RS485 Wiegand Ethernet port WiFi 2.4G Network port, supports POE power supply
OTA interface	Support USB/RS232/network port OTA upgrade
Antenna interface	50Ω SMA connector * 4
Communication protocol	Modbus,HID,HTTP,HTTPS,MQTT,TCP

Structural Specifications

Size(H*W*D)	188mm * 142mm * 27mm
Weight	890g
Fixed hole	4

UHF RFID

Communication protocol	ISO 18000-6C/EPC/Class 1/Gen2 V2
Frequency	902MHz~928MHz(standard) 865MHz~868MHz(optional)
Output power	0~33dBm
Antenna	Circular polarized antenna
Reading distance	≥25m (U9 white card test)
Reading rate	Up to 900tags/s
RFID chip	Impinj E710

Environmental Specifications

Working temperature	-25℃~60℃
Storage temperature	-40℃~80℃
Humidity	5%~95% (no condensation)

Accessories

Standard	Power adapter*1, user manual*1