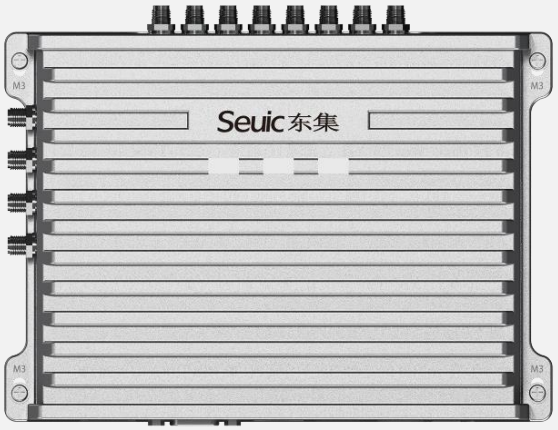
AUTOID UF3-S

Smart UHF 8 Ports Fixed RFID Reader

SEUIC independently developed the Impinj R2000 reading and writing engines for AUTOID UF3-S readers. The unit can support TCP/IP, RJ45, RS232, Wi-Fi, 4G, and other communication methods with its Android operating system. In addition, due to its small size and PoE capabilities, it is easily deployed. It can be used widely in asset management, smart manufacturing, and innovative retail stores for greater efficiency.



Product Features

RFID technology with excellent and stable performance

AUTOID UF3-S supports ISO18000-6C protocol, has an output power range of 0 to 33dBm, and can recognize up to 700 tags/second. There are two modes of anti-collision that support EPC and TID. The AUTOID UF3-S multi-channel RFID equipment is designed for high capacity and severe environments.

Power supply with PoE support, easy to install

Its low-power design supports conventional DC12V and PoE power supplies, with a small body that fits easily, eliminating the trouble of power wiring, saving space, and making deployment quick and convenient.

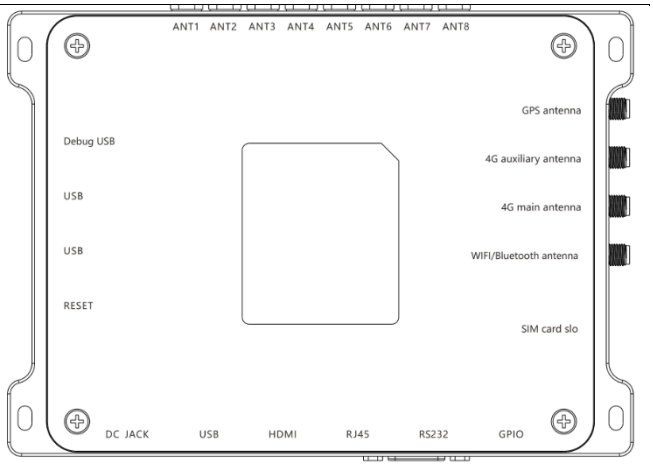
Polling with eight antennas at high speed for wide coverage

With eight external SMA antenna ports, automatic antenna detection and more comprehensive coverage are supported.

PRODUCT SPEC SHEET
AUTOID UF3-S UHF FIXED RFID READER

Specifications

Product Specification	
Label protocol	EPC C1 GEN2 / ISO18000-6C
Working frequency	840Mhz – 960Mhz(can be adjusted according to the requirements of different countries or regions)
Max Receive Sensitivity	≤-80dbm
Isolation among antenna ports	≥30dB(within the working frequency range)
Output power	0-33dBm adjustable，+/-1.0dBm
Multi-tag performance	>700 fps (8dBi, 3m feeder line)
Tag reading performance	>8m (9662 white card, outdoor open environment, 8dBi, 3m feeder line)
Tag writing performance	＞4m (9662 white card, outdoor open environment, 8dBi, 3m feeder line)
CPU	Cortex™-A53 Quad Core 1.3 GHz
Operating system	Android 10
Storage	2GB+16GB
Communication protocol	TCP/IP, RS232, WIFI (2.4G/5G dual-band, IEEE802.11a/b/g/n), 4G compatible
Interface	8*SMA antenna interface, GPS antenna, 4G main and auxiliary antenna interfaces, WIFI, 4G SIM card slot, DC 9~24V, 4*USB 2.0,
Input and Output	Support multi-channel optocoupler isolation GPIO, 4 channels for input, 4 channels for output, isolation voltage VRMS>3kV, applied voltage range 5-24V
Power supply	9-24VDC，POE power supply
POE	Support IEEE802.3-AF protocol；Input voltage DC44v-57v；Power 13w Power supply wire core 12+、36-； Transmission distance 10-100m
Power consumption	≤1.5A（12V power supply）
Environmental characteristics	Working temperature：-4℉/-20℃ to +140℉/+60℃；Storage temperature：-40℉/-40℃ to 185℉/+85℃；Working humidity：5% ~ 95%RH，no condensation
Waterproof and dustproof of industrial grade	IP54
Dimensions	7.0 in. L x 5.0 in. W x 1.1 in. H 180mm L*128mm W*28mm H
Weight	≤21 oz./600g（w/o packaging） ≤42.3 oz./1.2Kg（w packaging）
Product Interfaces	



	Serial No.	Symbol	Description
Power interface（DC JACK）	Central	PWR	DC 9~24V power supply
	Outer	GND	Ground
Communication Serial ports RS232 （DB9 Female）	**Sequence**	**Code**	**Description**
	1	NC	Reserved
	2	TXD	Serial communication data output
	3	RXD	Serial communication data input
	4	NC	Reserved
	5	GND	Signal ground
	6	NC	Reserved
	7	NC	Reserved
	8	NC	Reserved
	9	NC	Reserved
USB Interface	USB-A		
HDMI interface	Standard HDMI interface		
General-purpose input and output interface	GPIO		
TCP/IP network interface	RJ45		
SMA antenna interface	ANT1~ANT8, (SMA Female)		
GPS antenna interface	SMA Female		
4G auxiliary communication antenna interface	SMA Female		
WIFI antenna interface	SMA Female		
4G communication SIM card slot	Standard SIM Card		
Debugging/download USB interface	Micro USB		
Button	System Reset button		