

EVEN READER

UHF industrial reader CF823



Applied to industrial scenarios such as production line, sorting line, beat logistics, automated production line, mold management, auto parts and assembly line.

1、Product parameters

CF823 EVEN UHF Industrial Reader	
protocol standard	UHF EPC Gen2(ISO18000-6C)
frequency	902~928MHz(US)or 865~868MHz (EU)
RF output power	0-33dBm ±1dBm
Maximum receiving sensitivity	-75 decibels; maximum return loss: 10dbm
Reading distance	0~4 meters (related to card reader parameter configuration and tag type)
Write distance	0-1 meter (related to reader parameter configuration and tag type)
antenna gain	Built-in 5dbi linear polarized ceramic antenna
Operating mode	Active mode, Command mode, Trigger mode
Communication Interface	RS232/RS485, RJ45/POE (optional)
protocol support	Modbus/ Profinet (Customized)
communication rate	Serial communication rate 9600~115200 bps
Working status display	4 LED indicators (support custom buzzer)
GPIOs	Two groups of GPOs, two groups of GPIs (support customization)
firmware upgrade	support
Application software interface	VB, Python, Java, Delphi, c#, etc.
size	127.4*127.4*52.4mm
power supply	Working voltage DC 9~24V
weight	620g
humidity	5%-95%, non-condensing
degree of protection	IECIP67
Operating temperature	-20℃~65℃
Storage temperature	-40℃~85℃
interface	Round waterproof M12 pin female
certified	FCC certification, CE certification

2、LED



light up	state
Power LED, buzzer	power on indication
Read LED, Buzzer	card reading instructions
Link LED	communication instructions
Run LED	running instructions

3、Interface definition

Optional RS232/RS485, RJ45/POE communication interface



4、product view



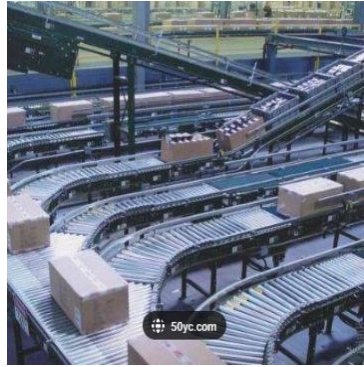
5、EVEN Industrial grade series

			
CF821 integrated reader Reading distance 0~2 meters 115*95*35mm	CF823 integrated reader Reading distance 0-4 meters 127.4*127.4*50.4mm	CF831 single channel Reading distance 0-10 meters Impinj E710 chip 155*88.6*47mm	CF812 dual channel Reading distance 0-10 meters Impinj E710 chip 155*88.6*47mm

5、Application Scenario



Automobile production and
assembly



Logistics sorting line



Mold production management