

RF851

**HIGH-PERFORMANCE UHF RFID FOR PM85
MADE FOR WORK EFFICIENCY**



Retail



Industrial Production
Process Control



Logistics /
Warehouse Management



Medical / Pharmacy

Specifications

PHYSICAL CHARACTERISTICS

Dimensions	
Standard	81.3mm W x 153.8 mm L x 142.2mm H
Weight	
	364g (only RF851)
Power	
Battery	3,250 mAh 3.6V Li-ion, removable
Buttons	
	Trigger, Power, Trigger Mode, Connection Mode
Standard Communications	
	USB Type C, USB to Serial Communication
Power Supply	
	5V/1.3A via Pogo-Pin of PM85 or 5V/2A Adaptor
Notification	
	Charging LED, Status LED, Connect-Mode, Trigger-Mode LED

PERFORMANCE CHARACTERISTICS

Supported Protocol Standards	
EPC Global UHF Class 1 Gen 2 V2 / ISO 18000-63	
RFID Engine	Impinj® Indy® R2000

Nominal Read Range 6m+ (19.69ft+)

Fastest Read Rate up to 900 tags per second

Frequency / RF Output
EU: 865MHz ~ 868MHz
= <30dBm (± 0.3dBm)
US: 902MHz ~ 928MHz
= <30dBm (± 0.3dBm)

Memory
RAM 128KB
ROM 1MB

USER ENVIRONMENT

Operating Temperature -10°C to 50°C

Storage Temperature -40°C to 70°C

Drop 1.5m to concrete

Rain / Dust Proof (Sealing) IP52

WIRELESS

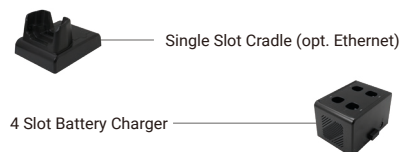
Bluetooth Bluetooth Ver. 4.2 BR/EDR/BLE

ACCESSORIES

Standard Accessories



Optional Accessories



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