



UHF RFID Gate Reader



SKU:	RS-Q410PF
Frequency:	FCC: 902 MHz~928 MHz; ETSI: 865 MHz~868 MHz(optional)
Operating System:	Android 7.1.2
Engine:	CPU MSM8953(Snapdragon 625), A53 octa-core, single-core frequency 2.0 GHz
Protocol:	ISO/IEC 18000-63, EPC Class1 Gen2
Read Range:	Up to 6 m(adjustable)
Industry:	Apparel and Fashion, Catering, Healthcare, Industrial Applications, Laboratory, Retail, Events, Logistics
Application:	Access Control, Asset Tracking, Library, Warehouse

The Q410PF UHF RFID Gate Reader is a proven and widely deployed access control and identification solution designed for high-traffic environments requiring fast, accurate tag detection. With a sleek and professional appearance and simple installation, the system integrates a high-performance RF module capable of reliably reading large volumes of tags simultaneously. Infrared trigger sensors precisely activate tag reading and detect movement direction, enabling accurate entry and exit counting. Integrated audio-visual alarm indicators support both online and offline EAS anti-theft modes, while standard RJ45 Ethernet connectivity and optional WiFi or 4G expansion ensure flexible system integration.

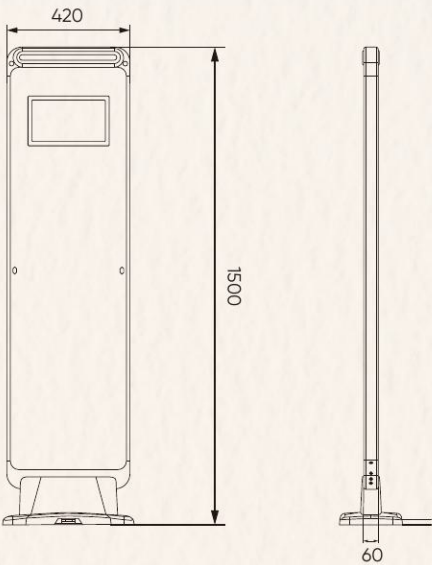
Ideal for libraries, archives, warehouses, and apparel retail environments, this UHF RFID gate enables efficient batch identification, circulation tracking, and theft prevention. The system incorporates high-quality infrared sensors, optional LiDAR-based read-zone triggering, a powerful RF engine for high-speed, high-accuracy tag recognition and a 10.1-inch HD touch display for intuitive human-machine interaction. Equipped with four low-axis-ratio, narrow-beam antennas and adjustable output power from 0 to 33 dBm, the gate provides precise coverage with minimal false or cross reads, ensuring stable performance and complete access area coverage even in complex operational environments.

Physical Information	Overall Dimensions	1500×420×60 mm
	Screen	10.1-inch touchscreen HD display
	Weight	60 kg(including wooden box packaging)
	Panel Fixing Method	Magnetic suction/detachable
	Installation Method	Hidden type(fixed by expansion screws or chemical anchor bolts)
	Appearance	Body-silver gray, panel-off-white
	Material	Frame aluminum alloy; Panel acrylic; Base iron
	Ambient Humidity	5%~95% RH, no condensation
	Storage Temperature	-30°C~+75°C
	Operating Temperature	-20°C~+60°C

Technical Information	Operating Frequency	FCC: 902 MHz~928 MHz; ETSI: 865 MHz~868 MHz(optional)
	Radio Frequency Protocol Standards	ISO/IEC 18000-63, EPC Class1 Gen2
	Operating System	Android 7.1.2
	Engine	CPU MSM8953 (Snapdragon 625), A53 octa-core, single-core frequency 2.0 GHz
	Read Range	Up to 6m(adjustable)
	Reading Rate	≥200 pcs/s
	Output Power	0~33 dBm(adjustable)
	Recommended Width For Access Control	1-3 m(for personnel access control, the effect is best within 1.2 meters)
	Antenna Half-Power Angle	Hor: 40°±2°, Ver: 60°±2°
	Antenna Gain	11±1 dBi
	Polarization Direction	Circular Polarization
	Standing Wave Ratio	≤1.3
	Infrared Beamforming	2 pairs
	Alarm Mode	Infrared rigger, sound and light alarm
	Firmware Upgrade	Network remote upgrade
	Infrared Trigger Height(Optional)	≤3 meters
	360° 2D LiDAR(Optional)	Ranging Range: 0.05~12 m(80% reflectivity), scanning angle 0~360°, Class I eye safety standard Ranging Accuracy: 20 mm
	Millimeter wave radar(Optional)	Performance Index: Frequency: 77~78 GHz, detection distance 40 meters; elevation beam width(-6 dB) -5°~+5°; horizontal beam width(-6 dB) -60°~+60° Recognition resolution: Distance resolution 0.2m, speed resolution 1.9 Km/h, distance accuracy plus or minus 0.1 m

Extra Information	Communication Interface	RJ45/RS232(WiFi/4G optional)
	Power Supply	AC 220V±10%
	Power Consumption Of The Whole Machine	<30 W
	Firmware Upgrade	Network upgrade mechanism
	Application Software Interface	Provide API development kit and Java application examples
	GP I/O Interface	4 optocoupler inputs(initial low level), 4 relay outputs(loadable DC24V/2A)

Label Dimensions
(Unit: mm)



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