



Specxus Flag Q7U

43.5 x 21 mm

The Specxus Flag Q7U from RICHRFID is a synthetic paper RFID label engineered to maintain excellent reading performance even when applied to liquid containers or metal surfaces. Thanks to a specially engineered antenna, it can detect most liquid-based items from a strong reading distance, such as blood bags, water/wine bottles, and barrels.

The product complies with EPCglobal Class 1 Gen 2, ISO 9001 quality management, and ISO 14001 environmental management standards, ensuring reliable, industry-grade performance for diverse use cases.

Equipped with the Qstar-7U IC, it is an Internet of Things (IoT) RFID chip that conforms to the EPCglobal Gen 2 protocol. The chip is highly cost-effective and offers excellent read/write sensitivity. It can be attached to or embedded into almost any product to achieve quick inventory counting, self-checking and verification, anti-counterfeiting traceability, and other functions. The chip has 144 bits of EPC memory and 128 bits of user memory. It is well-suited for item-level tagging, supply chain management, and ecommerce logistics.

Overview

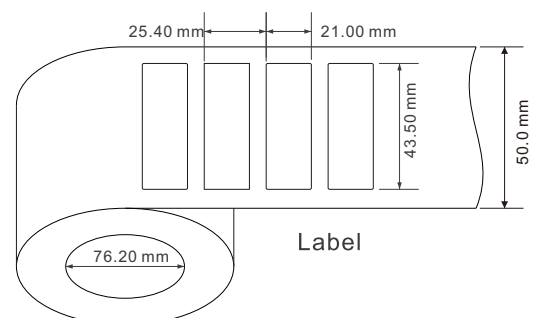
Frequency Band
UHF 860-960 MHz

Chip Type
Qstar - 7U

Dimensions
43.5 x 21 mm / 1.71 x 0.83 in

Air Interface Protocol
ISO/IEC 18000-63 Type C

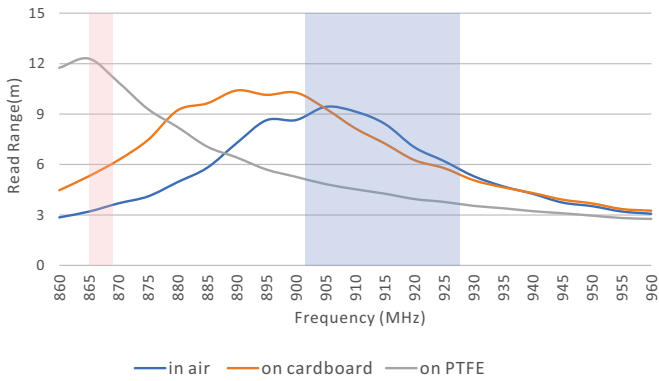
Application
Liquid containers
Metalwork
Electronics



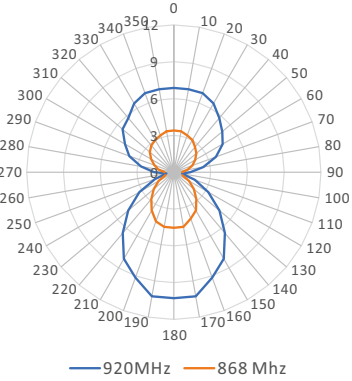


Model	RC5118
RFID Features	
Frequency	860-960 MHz
Application	Non metal
Chip Type	Qstar - 7U
Memory	User - 128 bits (Bigger capacity than same type chip) EPC - 144 bits; TID - 96 bits
Data Storage	> 10 years
Re-write	100,000 times
Physical Features	
Dimension	43.5 x 21 mm / 1.71 x 0.83 in
Material	PET
Adhesive	Double-sided tape
Operating Temperature	-40°C to 85°C / -40°F to 185°F
Storage Condition	20±5°C, 50±10% RH, Store away from sunlight
Other Features	
Installation	Adhesive on clean & dry surface
Customization	Printing, Encoding, Designing, etc.
Package	2,500 pcs / roll, 4 rolls / box

Read Range(2W ERP)



Radiation Pattern



PS: The performance is theoretical values in the lab and the actual effect depends on the specific applications.

RICHRFID

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DISCLAIMER

All specifications are indicative and results may vary. Each user bears full responsibility for making its own determination as to the suitability of RICHRFID products, materials, services, recommendations, or advice for its own particular use.

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