



Vortex 50 x 50 mm U9

The Quadra from RICHRFID is a versatile, high-performance RFID label designed for a wide range of applications. It delivers reliable reading performance across apparel and fashion, beauty and personal care, library and archives, automotive, warehouse logistics, and aviation.

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

Equipped with the NXP UCODE 9 IC, the Quadra-50x50-U9 features 96 bits of EPC memory and a 96-bit factory-locked TID. A 48-bit unique serial number is factory-encoded into the TID. The NXP IC is compatible with the global GS1 UHF Gen2v2 standard, standardized as ISO/IEC 18000-63.

The IC supports access password, kill command, Block Write, Permalock, and memory safeguard features, helping support secure data management and permanent tag deactivation when required.

With a label size of 50 x 50 mm, it delivers stable RFID performance and is especially well-suited for retail, logistics, aviation, and item-level identification applications.

Overview

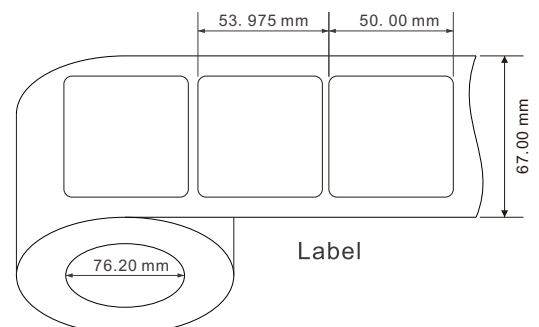
Frequency Band
UHF 860-960 MHz

Chip Type
NXP Ucode 9

Dimensions
50 x 50 mm / 1.97 x 1.97 in

Air Interface Protocol
ISO/IEC 18000-63 Type C

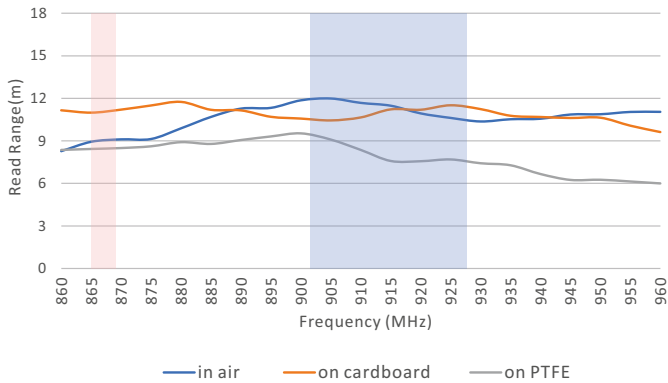
Application
Warehouse & Logistics
Baggage & ticket
Library & archives
Asset tracking



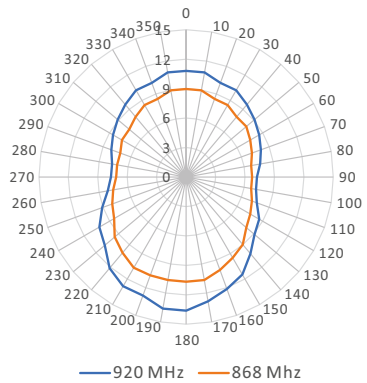


Model	RC5041
RFID Features	
Frequency	860-960 MHz
Application	Non metal
Chip Type	NXP Ucode 9
Memory	User - NA; EPC - 96 bits; TID - 96 bits
Data Storage	> 10 years
Re-write	100,000 times
Physical Features	
Dimension	50 x 50 mm / 1.97 x 1.97 in
Material	Coated Paper
Adhesive	Hot Melt
Operating Temperature	-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.



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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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