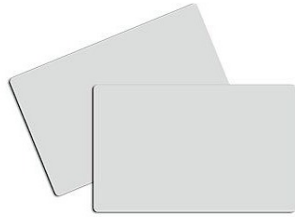


NephSystem Passive UHF GEN 2 RFID Tags

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N821 Tamperproof Tag



N822 Personnel PVC Tag



N823 Personnel Ceramic Tag



N824L Rugged Tag



N824S Rugged Tag



N825 Magnet Asset Tag



N826 Wristband Tag



N827 on-Metal Vehicle Tag



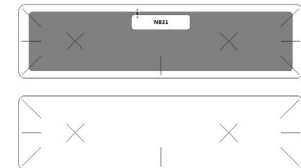
N828 Heavy Duty On-Metal Tag



N829 Mini on-Metal tag



N830 Small On-Metal Tag



N831 Windshield Tag

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NephSystem Passive UHF GEN 2 RFID Tags



N832 On-Metal Asset Tag



N833 Laundry Tag



N834 Flexible On-Metal Tag

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Specifications:

	N821	N822	N823	N824L	N824S	N825
Frequency Range	860MHz to 960MHz	860MHz to 960MHz	860MHz to 960MHz	860MHz to 960MHz	860MHz to 960MHz	860MHz to 960MHz
Communication Protocol	ISO18000-6C, EPC Class 1 Gen 2	ISO18000-6C, EPC Class 1 Gen 2	ISO18000-6C, EPC Class 1 Gen 2	ISO18000-6C, EPC Class 1 Gen 2	ISO18000-6C, EPC Class 1 Gen 2	ISO18000-6C, EPC Class 1 Gen 2
IC and memory size	96-bit EPC Memory	96-bit EPC Memory	96-bit EPC Memory	96-bit EPC Memory	96-bit EPC Memory	96-bit EPC Memory
Reading Distance	Typical 0-10 meters with 8dBi antenna	Typical 0-8 meters with 8dBi antenna	Typical 0-8 meters	Max. 6-8 meters	Max. 6-8 meters	Typical 0-7 meters
Encapsulation material	Paper	PVC Plastic	PVC Plastic	High-temperature durable ABS plastic	High-temperature durable ABS plastic	ABS Engineering Plastic
Dimensions	8.3cm x 5.3cm	8.5cm x 5.3cm x 0.03cm	8.5cm x 5.3cm x 0.03cm	15.4cm x 3.3cm x 1.01cm	7.8cm x 3.0cm x 1.01cm	9.9cm x 3.0cm x 0.3cm
Weight	5g	10g	24g	48g	21g	31g
Operating Temperature	-20°C to 85°C	-25°C to 65°C	-30°C to 85°C	-20°C to 120°C	-20°C to 60°C	-20°C to 140°C
Storage Temperature	-20°C to 85°C	-25°C to 65°C	-40°C to 110°C	-30°C to 150°C	-20°C to 80°C	-30°C to 160°C
Mounting	Adhesive	N/A	N/A	Adhesive or Screws	Adhesive or Screws	Magnet

To be continued ...

	N826	N827	N828	N829	N830	N831
Frequency Range	860MHz to 960MHz	860MHz to 960MHz	860MHz to 960MHz	860MHz to 960MHz	860MHz to 960MHz	860MHz to 960MHz
Communication Protocol	ISO18000-6C, EPC Class 1 Gen 2	ISO18000-6C, EPC Class 1 Gen 2	ISO18000-6C, EPC Class 1 Gen 2	ISO18000-6C, EPC Class 1 Gen 2	ISO18000-6C, EPC Class 1 Gen 2	ISO18000-6C, EPC Class 1 Gen 2
IC and memory size	96-bit EPC Memory	96-bit EPC Memory	Default of 96-bit EPC Memory, could be expanded up to 240bit	96-bit EPC Memory	96-bit EPC Memory	96-bit EPC Memory, 48-bit TID Memory
Reading Distance	Typical 0-4 meters (reader/antenna dependant)	Over 5.5 meters (Reader/Antenna dependant)	Typical 0-8 meters (reader / antenna dependant)	Typical <2 meters (reader / antenna dependant)	Typical 4 meters (reader / antenna dependant)	Up to 9 meters (reader / antenna dependant)
Encapsulation material	Plastic	ABS engineering plastic	ABS Engineering Plastic	ABS Engineering Plastic	ABS Engineering Plastic	Sided coated paper + UV coat
Dimensions	N/A	24cm x 1.3cm x 0.5cm	5.0cm x 4.8cm x 1.0cm	24*19*4.4mm	28.5 * 28.5 * 3.3mm	97 x 25 mm
Weight	N/A	60g	50g	5g	7.5g	N/A
Operating Temperature	-40°C to 70°C	-20°C to 60°C	-40°C to 150°C	-30°C to 90°C	-30°C to 90°C	-20°C to 85°C
Storage Temperature	-60°C to 80°C	-30°C to 80°C	-60°C to 170°C	-40°C to 230°C	-40°C to 150°C	-40°C to 90°C
Mounting	N/A	Adhesive or Screws	Adhesive or Screws	Adhesive	Adhesive	Adhesive

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To be continued ...

	N832	N833	N834
Frequency Range	860MHz to 960MHz	860MHz to 960MHz	860MHz to 960MHz
Communication Protocol	ISO18000-6C, EPC Class 1 Gen 2	ISO18000-6C, EPC Class 1 Gen 2	ISO18000-6C, EPC Class 1 Gen 2
IC and memory size	96-bit EPC Memory, 48-bit TID Memory	96-bit EPC Memory	96-bit EPC Memory; 48-bit TID Memory
Reading Distance	Max. 13 meters (42 feet)	Typical 0-8 meters with 8dBi antenna	Max. 5 meters
Encapsulation material	Ruggedized and durable ABS plastic	PVC Plastic	
Dimensions	65 x 21 x 9 mm / 2.56" x 0.83" x 0.35" for N832S 125 x 36 x 9 mm / 4.92" x 1.42" x 0.35" for N832L	80 x 50 x 2.2 mm / 3.15" x 1.97" x 0.09" for N833L 80 x 25 x 2.2 mm / 3.15" x 0.98" x 0.09" for N833M 45 x 30 x 2.2 mm / 1.77" x 1.18" x 0.09" for N833S	95 x 25 x 0.8 mm
Weight	8g for N832S / 20g for N832L	10.6g for N833L / 5g for N833M / 3g for N833S	2g
Operating Temperature	-20°C to 85°C	-40°C to 120°C / -40F to 248F	-20°C to 85°C
Storage Temperature	-40°C to 85°C	-20°C to 90°C / -4F to 195F	-20°C to 85°C
Mounting	Adhesive or Screws	N/A	Adhesive

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