

















Passive UHF RFID Tags for High-Temperature Environment:

	 DevilM18	 DevilD30	 Devil5600	 Devil 6000	 Devil3001	 Devil4015	 OPP4215	 OPP2019	 OPP7111
Typical Application	Wide range of applications, from tracking of surgical tools and trays to process management in automotive manufacturing and identification of metallic assets in the oil and gas, construction and mining sectors.	Mostly used in the very high temperature environment where corrosive chemicals and challenging mechanical stresses are common factors,	Excellent choice for tracking large assets in open storage environments	Application in car, industrial tools, medical trays, heavy equipment, car and aerospace components, cargo containers, blade and rack servers.	Applicable in critical and potentially hazardous situations, and other harsh elements such as high impact and caustic chemicals (Acid, Alkali, etc.)	Excellent choice for tracking large assets in open storage environments. Features a high impact, waterproof, durable encasement	Applications where surviving excessive heat in a rugged environment is needed, such as: healthcare sterilization processes, manufacturing, and automotive post-paint processes.	Applications where high temperature environments are there and typical read range is less than 2.5 meters.	Widely used for industrial equipment, industrial laundry system with high temperature resistant needed & washable products.
RFID Protocol	EPC Class1 Gen2, ISO18000-6C	EPC Class1 Gen2, ISO18000-6C	EPC Class1 Gen2, ISO18000-6C	EPC Class1 Gen2, ISO18000-6C	EPC Class1 Gen2, ISO18000-6C	EPC Class1 Gen2, ISO18000-6C	EPC Class1 Gen2, ISO18000-6C	EPC Class1 Gen2, ISO18000-6C	EPC Class1 Gen2, ISO18000-6C
Frequency	US 902-928MHz, EU 865-868MHz	US 902-928MHz, EU 865-868MHz	US 902-928MHz, EU 865-868MHz	US 902-928MHz, EU 865-868MHz	US 902-928MHz, EU 865-868MHz	US 902-928MHz, EU 865-868MHz	US 902-928MHz, EU 865-868MHz	US 902-928MHz, EU 865-868MHz	US 902-928MHz, EU 865-868MHz
IC type	Alien Higgs-3 NXP UCODE8	Alien Higgs-3 NXP UCODE8	Alien Higgs-3 NXP UCODE8	Alien Higgs-3 NXP UCODE8	NXP UCODE8	NXP UCODE8	Alien Higgs-4	Alien Higgs-4	Alien Higgs-3
Memory	EPC 96bits, User 512bits, TID64bits	EPC 96bits, User 512bits, TID64bits	EPC 96bits, User 512bits, TID64bits	EPC 96bits, User 512bits, TID64bits	EPC 96bits, User 512bits, TID64bits	EPC 96bits, User 512bits, TID64bits	EPC 128bits, USER 128bits, TID64bits	EPC 128bits, USER 128bits, TID64bits	EPC 128bits, USER 128bits, TID64bits
Write Cycles	100,000 times	100,000 times	100,000 times	100,000 times	100,000 times	100,000 times	100,000 times	100,000 times	100,000 times
Functionality	Read/write	Read/write	Read/write	Read/write	Read/write	Read/write	Read/write	Read/write	Read/write
Data Retention	50 years	50 Years	50 Years	50 Years	50 Years	50 Years	50 Years	50 Years	50 Years
Applicable Surface	Metal Surfaces	Metal Surfaces	Metal Surfaces	Metal Surfaces	Metal Surfaces	Metal Surfaces	Metal Surfaces	Metal Surfaces	Non-Metal Surfaces
Read Range (Fix Reader)	0.9m - On Metal	0.9m - On Metal	9.0m - On Metal	13.0m - On Metal	6.5m - On Metal	6.0m - On Metal	6.8m - On Metal	2.5m - On Metal	9.0m - On Metal
Read Range (Handheld)	0.35m - On Metal	0.35m - On Metal	5.5m - On Metal	7.5m - On Metal	3.5m - On Metal	3.0m - On Metal	5.5m - On Metal	1.2m - On Metal	5.0m - On Metal
Size	Dia18mm	Dia30mm	56x25x9.5mm	62x29x12mm, Hole: dia3.5mmx2	41.0x29.0mm, Hole: D2.3mmx4	40x15x10mm, Hole: dia2.5mmx2	42x15mm, Hole: D4mmx2	D:20mm, Hole: D2mmx2	71x11mm
Thickness	11mm	11mm	9.5mm	12mm	9mm	10mm	2.1mm, 2.8mm with IC bump	2.1mm, 2.8mm with IC bump	0.13mm
Material	304 Stainless Steel	304 Stainless Steel	304 Stainless Steel	Polyether Ether Ketone (PEEK)	Polyether Ether Ketone (PEEK)	Polyether Ether Ketone (PEEK)	Polytetrafluoroethylene (PTFE)	Polytetrafluoroethylene (PTFE)	Flexible Printed Circuit (FPC)
Color	Grey	Grey	Grey	Black	Black	Black	Black	Black	Yellow
Mounting Methods	Screw	Screw	Screw, Weld	Screw(M3)	Screw(M2)	Screw	Adhesive, Screw	Adhesive, Screw	
Weight	13.5g	34g	41g	15g	15g	6g	2.2g	1g	0.2g
IP Rating	IP68	IP68	IP68	IP67	IP68, IP69X	IP68	IP68	IP68	IP68
Storage Temperature	-50°C to +260°C (Withstand 300°C for 100 hours)	-50°C to +260°C (Withstand 300°C for 100 hours)	-50°C to +260°C (Withstand 300°C for 100 hours)	-50°C to +260°C (Withstand 300°C for 100 hours)	-60°C to +260°C (Withstand 300°C for 100 hours)	-40°C to +260°C (Withstand 300°C for 100 hours)	-55°C to +260°C (Withstand 280°C for 50 hours)	-55°C to +260°C (Withstand 280°C for 50 hours)	-40°C to +200°C
Operation Temperature	-40°C to +150°C	-40°C to +150°C	-40°C to +150°C	-40°C to +150°C	-40°C to +200°C	-40°C to +150°C	-40°C to +150°C	-40°C to +150°C	-40°C to +150°C
Certifications	Reach, RoHs, CE, ATEX	Reach, RoHs, CE, ATEX	Reach, RoHs, CE, ATEX	Reach, RoHs, CE, ATEX	Reach, RoHs, CE, ATEX	Reach, RoHs, CE, ATEX	Reach, RoHS, CE	Reach, RoHS, CE	Reach, RoHS, CE

Passive UHF RFID Tags (Ceramic):

	 CER0404 (4x4x3mm)	 CER0505 (5x5x3mm)	 CER525 (5x2.5x2mm)	 CER0602 (6x2x2mm)	 CER1001 (10x1.8x1.8mm)	 CER1002 (10x2.5x2.5mm)	 CER1005 (10x5x3mm)	 CERD10 (10x9.35x2mm)	 CER1207 (12x7x3mm)
Typical Application	Tiny RFID tag is used for equipment management, asset management, tool tracking, medical equipment, Instrument tracking, IT asset management, Healthcare equipment etc. Heat resistance, water resistance, and chemical resistance.	Used for Tool tracking Instrument tracking, Medical device management, Surgical instrument management, Small asset tracking, IT tracking and Weapons tracking etc.	Ideal for small tools, equipment, medical instruments, electronics, and more. The compact size allows the tags to fit in small or tight spaces providing consistent asset identification.	Used for Small asset tracking, IT tracking and Weapons tracking.	Designed to embed into tiny indentations of metallic parts and components. These durable, hard passive tags achieve best read performance in metallic environments.	Used for medical instruments disinfection, open towers near poles or near the equator, utility poles, road assets, equipment patrol inspection etc.	Used for Tool tracking Instrument tracking, Medical device management, Surgical instrument management, Small asset tracking, IT tracking and Weapons tracking etc.	Designed with a hard-shell ceramic encasing that enables it to withstand high temperatures and high pressure ideally encountered in industrial environments	Used for Tool tracking Instrument tracking, Medical device management, Surgical instrument management, Small asset tracking, IT tracking and Weapons tracking etc.
RFID Protocol	EPC Class1 Gen2, ISO18000-6C	EPC Class1 Gen2, ISO18000-6C	EPC Class1 Gen2, ISO18000-6C	EPC Class1 Gen2, ISO18000-6C	EPC Class1 Gen2, ISO18000-6C	EPC Class1 Gen2, ISO18000-6C	EPC Class1 Gen2, ISO18000-6C	EPC Class1 Gen2, ISO18000-6C	EPC Class1 Gen2, ISO18000-6C
Frequency	US 902-928MHz, EU 865-868MHz	US 902-928MHz, EU 865-868MHz	US 902-928MHz, EU 865-868MHz	US 902-928MHz, EU 865-868MHz	US 902-928MHz, EU 865-868MHz	US 902-928MHz, EU 865-868MHz	US 902-928MHz, EU 865-868MHz	US 902-928MHz, EU 865-868MHz	US 902-928MHz, EU 865-868MHz
IC type	Alien Higgs-3	Alien Higgs-3	Alien Higgs-3	Alien Higgs-3	Alien Higgs-3	Alien Higgs-3	Alien Higgs-3	Alien Higgs-3	Alien Higgs-3
Memory	EPC 96bits, User 512bits, TID64bits	EPC 96bits, User 512bits, TID64bits	EPC 96bits, User 512bits, TID64bits	EPC 96bits, User 512bits, TID64bits	EPC 96bits, User 512bits, TID64bits	EPC 96bits, User 512bits, TID64bits	EPC 96bits, User 512bits, TID64bits	EPC 96bits, User 512bits, TID64bits	EPC 96bits, User 512bits, TID64bits
Write Cycles	100,000 times	100,000 times	100,000 times	100,000 times	100,000 times	100,000 times	100,000 times	100,000 times	100,000 times
Functionality	Read/write	Read/write	Read/write	Read/write	Read/write	Read/write	Read/write	Read/write	Read/write
Data Retention	50 years	50 Years	50 Years	50 Years	50 Years	50 Years	50 Years	50 Years	50 Years
Applicable Surface	Metal Surfaces	Metal Surfaces	Metal Surfaces	Metal Surfaces	Metal Surfaces	Metal Surfaces	Metal Surfaces	Metal Surfaces	Metal Surfaces
Read Range (Fix Reader)	0.8m - On Metal	1.0m - On Metal	0.3m - On Metal	0.3m - On Metal	0.7m - On Metal	1.0m - On Metal	2.0m - On Metal	2.0m - On Metal	2.3m - On Metal
Read Range (Handheld)	0.4m - On Metal	0.6m - On Metal	0.2m - On Metal	0.2m - On Metal	0.4m - On Metal	0.6m - On Metal	1.0m - On Metal	1.2m - On Metal	1.3m - On Metal
Size	4.0x4.0mm	5.0x5.0mm	5.0x2.5mm	6.0x2.0mm	10.0x1.8mm	10.0x2.5mm	10.0x5.0mm	10.0x9.35mm	12.0x7.0mm
Thickness	3.0mm	3.0mm	2.0mm	2.0mm	1.8mm	2.5mm	3.0mm	2.0mm	3.0mm
Material	Ceramic	Ceramic	Ceramic	Ceramic	Ceramic	Ceramic	Ceramic	Ceramic	Ceramic
Color	Black	Black	Black	Black	Black	Black	Black	Black	Black
Mounting Methods	Adhesive	Adhesive	Adhesive	Adhesive	Adhesive	Adhesive	Adhesive	Adhesive	Adhesive
Weight	0.3g	0.8g	0.3g	0.3g	0.5g	0.8g	1.4g	1.0g	1.6g
IP Rating	IP68	IP68	IP68	IP68	IP68	IP68	IP68	IP68	IP68
Storage Temperature	-40°C to +150°C	-40°C to +150°C	-40°C to +150°C	-40°C to +150°C	-40°C to +150°C	-40°C to +150°C	-40°C to +150°C	-40°C to +150°C	-40°C to +150°C
Operation Temperature	-40°C to +85°C	-40°C to +85°C	-40°C to +85°C	-40°C to +85°C	-40°C to +85°C	-40°C to +85°C	-40°C to +85°C	-40°C to +85°C	-40°C to +85°C
Certifications	Reach, RoHS, CE	Reach, RoHS, CE	Reach, RoHS, CE	Reach, RoHS, CE	Reach, RoHS, CE	Reach, RoHS, CE	Reach, RoHS, CE	Reach, RoHS, CE	Reach, RoHS, CE

Passive UHF RFID Tags (Ceramic):

	 CERD16 (D16mmx2mm)	 CER1309 (13x9x3mm)	 CER1909 (19x9x3mm)	 CER2117 (21x17x2.25mm)	 CER2509 (25x9x3mm)	 CER2525 (25x25x3mm)	 CER3030 (30x30x3mm)
Typical Application	Used for equipment tracking, asset tracking, tool tracking, medical equipment, Instrument tracking, IT asset management, Healthcare equipment etc. Heat resistance, water resistance, and chemical resistance.	Used for Tool tracking Instrument tracking, Medical device management, Surgical instrument management, Small asset tracking, IT tracking and Weapons tracking etc.	Ideal for small tools, equipment, medical instruments, electronics, and more. The compact size allows the tags to fit in small or tight spaces providing consistent asset identification.	Used for all types of industrial environment and equipment asset management industry, easy product tracking, quality management.	Used for Tool tracking Instrument tracking, Medical device management, Surgical instrument management, Small asset tracking, IT tracking and Weapons tracking etc.	Wide range of industrial RFID tag application and metal asset management applications, such as asset tracking, specialty tracking, and IT asset tracking.	Widely used in container tracking, vehicle tracking, equipment management, asset management, tool tracking, medical equipment, etc.
RFID Protocol	EPC Class1 Gen2, ISO18000-6C	EPC Class1 Gen2, ISO18000-6C	EPC Class1 Gen2, ISO18000-6C	EPC Class1 Gen2, ISO18000-6C	EPC Class1 Gen2, ISO18000-6C	EPC Class1 Gen2, ISO18000-6C	EPC Class1 Gen2, ISO18000-6C
Frequency	US 902-928MHz, EU 865-868MHz	US 902-928MHz, EU 865-868MHz	US 902-928MHz, EU 865-868MHz	US 902-928MHz, EU 865-868MHz	US 902-928MHz, EU 865-868MHz	US 902-928MHz, EU 865-868MHz	US 902-928MHz, EU 865-868MHz
IC type	Alien Higgs-3	Alien Higgs-3	Alien Higgs-3	Alien Higgs-3	Alien Higgs-3	Alien Higgs-3	Alien Higgs-3
Memory	EPC 96bits, User 512bits, TID64bits	EPC 96bits, User 512bits, TID64bits	EPC 96bits, User 512bits, TID64bits	EPC 96bits, User 512bits, TID64bits	EPC 96bits, User 512bits, TID64bits	EPC 96bits, User 512bits, TID64bits	EPC 96bits, User 512bits, TID64bits
Write Cycles	100,000 times	100,000 times	100,000 times	100,000 times	100,000 times	100,000 times	100,000 times
Functionality	Read/write	Read/write	Read/write	Read/write	Read/write	Read/write	Read/write
Data Retention	50 years	50 Years	50 Years	50 Years	50 Years	50 Years	50 Years
Applicable Surface	Metal Surfaces	Metal Surfaces	Metal Surfaces	Metal Surfaces	Metal Surfaces	Metal Surfaces	Metal Surfaces
Read Range (Fix Reader)	2.5m - On Metal	3.5m - On Metal	4.0m - On Metal	4.0m - On Metal	4.2m - On Metal	6.5m - On Metal	10.0m - On Metal
Read Range (Handheld)	1.8m - On Metal	2.0m - On Metal	2.2m - On Metal	3.3m - On Metal	2.9m - On Metal	4.6m - On Metal	7.0m - On Metal
Size	Dia16mm	13.0x9.0mm	19.0x9.0mm	21.0x17.0mm	25.0x9.0mm	25.0x25.0mm	30x30mm
Thickness	2.0mm	3.0mm	3.0mm	2.25mm	3.0mm	3.0mm	3.0mm
Material	Ceramic	Ceramic	Ceramic	Ceramic	Ceramic	Ceramic	Ceramic
Color	Black	Black	Black	Black	Black	Black	Black
Mounting Methods	Adhesive	Adhesive	Adhesive	Adhesive	Adhesive	Adhesive	Adhesive
Weight	2.2g	1.8g	2.8g	4.2g	3.8g	9.6g	14g
IP Rating	IP68	IP68	IP68	IP68	IP68	IP68	IP68
Storage Temperature	-40°C to +150°C	-40°C to +150°C	-40°C to +150°C	-40°C to +150°C	-40°C to +150°C	-40°C to +150°C	-40°C to +150°C
Operation Temperature	-40°C to +85°C	-40°C to +85°C	-40°C to +85°C	-40°C to +85°C	-40°C to +85°C	-40°C to +85°C	-40°C to +85°C
Certifications	Reach, RoHS, CE	Reach, RoHS, CE	Reach, RoHS, CE	Reach, RoHS, CE	Reach, RoHS, CE	Reach, RoHS, CE	Reach, RoHS, CE

Passive UHF RFID Tags (PCB):

	 PCBD5 (D5mmx4mm)	 PCB0603 (6x3x4mm)	 PCB060302 (6x3x2mm)	 PCB0606 (6x6x3mm)	 PCBD6 (D5mmx3mm)	 PCB0803 (8x3x3mm)	 PCB1004 (10x4x2mm)
Typical Application	Used for small equipment tracking, asset tracking, tool tracking, medical equipment, Instrument tracking, IT asset management, Healthcare equipment etc.	Used for Tool tracking Instrument tracking, Medical device management, Surgical instrument management, Small asset tracking, IT tracking and Weapons tracking etc.	Ideal for small tools, equipment, medical instruments, electronics, and more. The compact size allows the tags to fit in small or tight spaces providing consistent asset identification.	Ideal for small tools, equipment, medical instruments, electronics, and more. The compact size allows the tags to fit in small or tight spaces providing consistent asset identification.	Ideal for small tools, equipment, medical instruments, electronics, and more. The compact size allows the tags to fit in small or tight spaces providing consistent asset identification.	Ideal for small tools, equipment, medical instruments, electronics, and more. The compact size allows the tags to fit in small or tight spaces providing consistent asset identification.	Perfect inventory tag for tracking laptops, servers in IT, vehicle tracking identification and other small metal tools.
RFID Protocol	EPC Class1 Gen2, ISO18000-6C	EPC Class1 Gen2, ISO18000-6C	EPC Class1 Gen2, ISO18000-6C	EPC Class1 Gen2, ISO18000-6C	EPC Class1 Gen2, ISO18000-6C	EPC Class1 Gen2, ISO18000-6C	EPC Class1 Gen2, ISO18000-6C
Frequency	US 902-928MHz, EU 865-868MHz	US 902-928MHz, EU 865-868MHz	US 902-928MHz, EU 865-868MHz	US 902-928MHz, EU 865-868MHz	US 902-928MHz, EU 865-868MHz	US 902-928MHz, EU 865-868MHz	US 902-928MHz, EU 865-868MHz
IC type	Alien Higgs-3	Alien Higgs-3	Alien Higgs-3	Alien Higgs-3	Alien Higgs-3	Alien Higgs-3	Alien Higgs-3
Memory	EPC 96bits, User 512bits, TID64bits	EPC 96bits, User 512bits, TID64bits	EPC 96bits, User 512bits, TID64bits	EPC 96bits, User 512bits, TID64bits	EPC 96bits, User 512bits, TID64bits	EPC 96bits, User 512bits, TID64bits	EPC 96bits, User 512bits, TID64bits
Write Cycles	100,000 times	100,000 times	100,000 times	100,000 times	100,000 times	100,000 times	100,000 times
Functionality	Read/write	Read/write	Read/write	Read/write	Read/write	Read/write	Read/write
Data Retention	50 years	50 Years	50 Years	50 Years	50 Years	50 Years	50 Years
Applicable Surface	Metal Surfaces	Metal Surfaces	Metal Surfaces	Metal Surfaces	Metal Surfaces	Metal Surfaces	Metal Surfaces
Read Range (Fix Reader)	1.0m - On Metal	0.9m - On Metal	0.8m - On Metal	1.1m - On Metal	0.85m - On Metal	0.95m - On Metal	1.35m - On Metal
Read Range (Handheld)	0.6m - On Metal	0.5m - On Metal	0.5m - On Metal	0.8m - On Metal	0.45m - On Metal	0.5m - On Metal	0.9m - On Metal
Size	Dia5.0mm	6.0x3.0mm	6.0x3.0mm	6.0x6.0mm	Diameter 6mm, (Hole: D2mmx1)	8x3mm	10x4mm (Hole: D2mm)
Thickness	4.0mm with IC bump	4.0mm with IC bump	2.0mm without IC bump, 3.0mm with IC bump	3.0mm without IC bump, 4.0mm with IC bump	3.0mm without IC bump, 4.0mm with IC bump	3.0mm without IC bump, 4.0mm with IC bump	2.0mm
Material	FR4 (PCB)	FR4 (PCB)	FR4 (PCB)	FR4 (PCB)	FR4 (PCB)	FR4 (PCB)	FR4 (PCB)
Color	Black, white, red, green, blue	Black, white, red, green, blue	Black, white, red, green, blue	Black, white, red, green, blue	Black, white, red, green, blue	Black, white, red, green, blue	Black, white, red, green, blue
Mounting Methods	Adhesive	Adhesive	Adhesive	Adhesive	Adhesive	Adhesive	Adhesive
Weight	0.5g	0.5g	0.2g	0.3g	0.5g	0.5g	0.7g
IP Rating	IP68	IP68	IP68	IP68	IP68	IP68	IP68
Storage Temperature	-40°C to +150°C	-40°C to +150°C	-40°C to +150°C	-40°C to +150°C	-40°C to +150°C	-40°C to +150°C	-40°C to +150°C
Operation Temperature	-40°C to +100°C	-40°C to +100°C	-40°C to +100°C	-40°C to +100°C	-40°C to +100°C	-40°C to +100°C	-40°C to +100°C
Certifications	Reach, RoHS, CE	Reach, RoHS, CE	Reach, RoHS, CE	Reach, RoHS, CE	Reach, RoHS, CE	Reach, RoHS, CE	Reach, RoHS, CE

Passive UHF RFID Tags (PCB):

	 PCBD10 (D10mmx3mm)	 PCB1204 (12x4x2.5mm)	 PCB1307 (13x7x3mm)	 PCBD13 (D13mmx2.8mm)	 PCB1504 (15x4x2mm)	 PCBD16 (D16mmx3mm)	 PCB2208 (22x8x3mm)
Typical Application	Used for small equipment tracking, asset tracking, tool tracking, medical equipment, Instrument tracking, IT asset management, Healthcare equipment etc.	Used in retail, warehouse logistics management, IT asset management, inventory management, assets management, automotive component tracking, industrial manufacturing, etc.	Ideal for tools, equipment, medical instruments, electronics, and more. The compact size allows the tags to fit in small or tight spaces providing consistent asset identification.	Ideal for small tools, equipment, medical instruments, electronics, and more. The compact size allows the tags to fit in small or tight spaces providing consistent asset identification.	Widely used for tracking IT asset such as Computer, copiers, projectors, security cameras, computer hosts, switches, routers, hardware assets of large data centers, racks, UPS, minicomputers, etc.	Used for tools, equipment, medical instruments, electronics, and more. The compact size allows the tags to fit in small or tight spaces providing consistent asset identification.	Widely used for tracking medical devices, surgical instruments tray, heavy industry, oil & gas & mining, automatic production line, logistic tray tracking, warehouse storage rack, container tracking.
RFID Protocol	EPC Class1 Gen2, ISO18000-6C	EPC Class1 Gen2, ISO18000-6C	EPC Class1 Gen2, ISO18000-6C	EPC Class1 Gen2, ISO18000-6C	EPC Class1 Gen2, ISO18000-6C	EPC Class1 Gen2, ISO18000-6C	EPC Class1 Gen2, ISO18000-6C
Frequency	US 902-928MHz, EU 865-868MHz	US 902-928MHz, EU 865-868MHz	US 902-928MHz, EU 865-868MHz	US 902-928MHz, EU 865-868MHz	US 902-928MHz, EU 865-868MHz	US 902-928MHz, EU 865-868MHz	US 902-928MHz, EU 865-868MHz
IC type	Alien Higgs-3	Alien Higgs-3	Alien Higgs-3	Alien Higgs-3	Alien Higgs-3	Alien Higgs-3	Alien Higgs-3
Memory	EPC 96bits, User 512bits, TID64bits	EPC 96bits, User 512bits, TID64bits	EPC 96bits, User 512bits, TID64bits	EPC 96bits, User 512bits, TID64bits	EPC 96bits, User 512bits, TID64bits	EPC 96bits, User 512bits, TID64bits	EPC 96bits, User 512bits, TID64bits
Write Cycles	100,000 times	100,000 times	100,000 times	100,000 times	100,000 times	100,000 times	100,000 times
Functionality	Read/write	Read/write	Read/write	Read/write	Read/write	Read/write	Read/write
Data Retention	50 years	50 Years	50 Years	50 Years	50 Years	50 Years	50 Years
Applicable Surface	Metal Surfaces	Metal Surfaces	Metal Surfaces	Metal Surfaces	Metal Surfaces	Metal Surfaces	Metal Surfaces
Read Range (Fix Reader)	1.5m - On Metal	1.5m - On Metal	2.5m - On Metal	1.5m - On Metal	2.1m - On Metal	2.6m - On Metal	4.5m - On Metal
Read Range (Handheld)	1m - On Metal	0.6m - On Metal	1.5m - On Metal	1.1m - On Metal	1.3m - On Metal	1.6m - On Metal	2.6m - On Metal
Size	Diameter 10mm (Hole: D2mm)	12.0 x 4.0mm	13x7mm, (Hole: D2mm*2)	Diameter 13mm (Hole: D2mm)	15x4mm, (Hole: D2mm*2)	Diameter 16mm(Hole:D2mm*2)	22x8mm, (Hole: D2mm*2)
Thickness	3.0mm	1.5mm without IC bump, 2.5mm with IC bump	3.0mm without IC bump, 3.8mm with IC bump	2.8mm	2.0mm without IC bump, 2.8mm with IC bump	3.0mm	3.0mm without IC bump 3.8mm with IC bump
Material	FR4 (PCB)	FR4 (PCB)	FR4 (PCB)	FR4 (PCB)	FR4 (PCB)	FR4 (PCB)	FR4 (PCB)
Color	Black, white, red, green, blue	Black, white, red, green, blue	Black, white, red, green, blue	Black, white, red, green, blue	Black, white, red, green, blue	Black, white, red, green, blue	Black, white, red, green, blue
Mounting Methods	Adhesive	Adhesive	Adhesive	Adhesive	Adhesive, Screw	Adhesive	Adhesive, Screw
Weight	0.5g	0.5g	0.7g	0.7g	0.7g	1.3g	1.3g
IP Rating	IP68	IP68	IP68	IP68	IP68	IP68	IP68
Storage Temperature	-40°C to +150°C	-40°C to +150°C	-40°C to +150°C	-40°C to +150°C	-40°C to +150°C	-40°C to +150°C	-40°C to +150°C
Operation Temperature	-40°C to +100°C	-40°C to +100°C	-40°C to +100°C	-40°C to +100°C	-40°C to +100°C	-40°C to +100°C	-40°C to +100°C
Certifications	Reach, RoHS, CE	Reach, RoHS, CE	Reach, RoHS, CE	Reach, RoHS, CE	Reach, RoHS, CE	Reach, RoHS, CE	Reach, RoHS, CE

Passive UHF RFID Tags (PCB):

	 PCB2510 (25x10x2mm)	 PCB3005 (30x5x2mm)	 PCB3310 (33x10x3.5mm)	 PCB3613 (36x13x3.5mm)	 PCBD40 (D40mmx3mm)	 PCB4010 (40x10x2mm)	 PCB5010 (50x10x1mm)
Typical Application	Used for equipment tracking, asset tracking, tool tracking, medical equipment, Instrument tracking, IT asset management, Healthcare equipment etc.	Ideal for applications that require exterior-mounted, low-cost, easily installed. Tracker for agriculture, supply chain, construction, or mining; an asset tracking IoT solution can improve the overall efficiency.	Suitable for a wide variety of automatic vehicle identification transportation applications, including electronic toll collection, airports and ground transportation management systems, parking access, and security access applications.	Suitable for a wide variety of automatic vehicle identification transportation applications, including electronic toll collection, airports and ground transportation management systems, parking access, and security access applications.	Mainly used in retails, warehouse logistics management, IT asset management, inventory management, assets management, automotive component tracking, industrial manufacturing, etc.	Suitable for a wide variety of automatic vehicle identification transportation applications, including electronic toll collection, airports and ground transportation management systems, parking access, and security access applications.	Apply in vehicle tracking, which can be screw on plate position freely of the cars and trucks ,then you can easily to know what is the cars and truck situation ,and also know what is the subject on the cars and trucks only read the vehicle tag once in the logistic application.
RFID Protocol	EPC Class1 Gen2, ISO18000-6C	EPC Class1 Gen2, ISO18000-6C	EPC Class1 Gen2, ISO18000-6C	EPC Class1 Gen2, ISO18000-6C	EPC Class1 Gen2, ISO18000-6C	EPC Class1 Gen2, ISO18000-6C	EPC Class1 Gen2, ISO18000-6C
Frequency	US 902-928MHz, EU 865-868MHz	US 902-928MHz, EU 865-868MHz	US 902-928MHz, EU 865-868MHz	US 902-928MHz, EU 865-868MHz	US 902-928MHz, EU 865-868MHz	US 902-928MHz, EU 865-868MHz	US 902-928MHz, EU 865-868MHz
IC type	Alien Higgs-3	Alien Higgs-3	Alien Higgs-3	Alien Higgs-3	Alien Higgs-3	Alien Higgs-3	Alien Higgs-3
Memory	EPC 96bits, User 512bits, TID64bits	EPC 96bits, User 512bits, TID64bits	EPC 96bits, User 512bits, TID64bits	EPC 96bits, User 512bits, TID64bits	EPC 96bits, User 512bits, TID64bits	EPC 96bits, User 512bits, TID64bits	EPC 96bits, User 512bits, TID64bits
Write Cycles	100,000 times	100,000 times	100,000 times	100,000 times	100,000 times	100,000 times	100,000 times
Functionality	Read/write	Read/write	Read/write	Read/write	Read/write	Read/write	Read/write
Data Retention	50 years	50 Years	50 Years	50 Years	50 Years	50 Years	50 Years
Applicable Surface	Metal Surfaces	Metal Surfaces	Metal Surfaces	Metal Surfaces	Metal Surfaces	Metal Surfaces	Metal Surfaces
Read Range (Fix Reader)	3.25m - On Metal	3.1m - On Metal	4.2m - On Metal	4.7m - On Metal	6.8m - On Metal	4.5m - On Metal	2.8m - On Metal
Read Range (Handheld)	2.5m - On Metal	2.1m - On Metal	2.8m - On Metal	2.7m - On Metal	3.5m - On Metal	3.0m - On Metal	1.9m - On Metal
Size	25mmx10mm (Hole: D2mmX2)	30x5mm, (Hole: D2mm*2)	33mmx10mm (Hole: D2mm)	36x13mm, (Hole: D2mm)	Diameter 40mm	40x10mm, (Hole: D3mmx2)	50x10mm, (Hole: D2mm)
Thickness	2.0mm	2.0mm without IC bump, 2.8mm with IC bump	3.5mm	3.5mm	3.0mm	2.1mm without IC bump, 2.7mm with IC bump	1.0mm
Material	FR4 (PCB)	FR4 (PCB)	FR4 (PCB)	FR4 (PCB)	FR4 (PCB)	FR4 (PCB)	FR4 (PCB)
Color	Black, white, red, green, blue	Black, white, red, green, blue	Black, white, red, green, blue	Black, white, red, green, blue	Black, white, red, green, blue	Black, white, red, green, blue	Black, white, red, green, blue
Mounting Methods	Adhesive, Screw	Adhesive, Screw	Adhesive, Screw	Adhesive, Screw	Adhesive	Adhesive, Screw	Adhesive
Weight	1.3g	0.8g	3.0g	3.5g	8.2g	2.0g	1.5g
IP Rating	IP68	IP68	IP68	IP68	IP68	IP68	IP68
Storage Temperature	-40°C to +150°C	-40°C to +150°C	-40°C to +150°C	-40°C to +150°C	-40°C to +150°C	-40°C to +150°C	-40°C to +150°C
Operation Temperature	-40°C to +100°C	-40°C to +100°C	-40°C to +100°C	-40°C to +100°C	-40°C to +100°C	-40°C to +100°C	-40°C to +100°C
Certifications	Reach, RoHS, CE	Reach, RoHS, CE	Reach, RoHS, CE	Reach, RoHS, CE	Reach, RoHS, CE	Reach, RoHS, CE	Reach, RoHS, CE






Passive UHF RFID Tags (PCB):

	 PCB5213 (52x13x3.5mm)	 PCB6020 (60x20x3.5mm)	 PCB7020 (70x20x3.6mm)	 PCB8008 (80x8x3.5mm)	 PCB8020 (80x20x3.6mm)	 PCB9020 (90x20x3mm)	 PCB9020m (90x20x5mm)
Typical Application	Used for warehouse tracking and provide extremely long read range up to 8.2 meters on metal surfaces	Suitable for the inspection of open-air power equipment, the installation on the vehicle license plate, steel tower, elevator, pressure vessel cylinder, asset management, logistics management, automobile parts, etc.	Ideal choice for asset tagging, its typical application include asset management, logistics and warehouse management, large equipment management, container management, industrial manufacturing, etc.	Used for applications like manufacturing, supply chain, automotive, outdoor & industrial operations, logistics, warehousing, IT and financial services where cost and versatility is at a premium.	Mainly used for large pallets, in retails, warehouse logistics management, IT asset management, inventory management, assets management, automotive component tracking, industrial manufacturing, etc.	Suitable for a wide variety of automatic vehicle identification transportation applications, including electronic toll collection, airports and ground transportation management systems, parking access, and security access applications.	PCB9020m is a magnetic RFID tag and can be easy moved from a metallic asset to another one. It is used in variety of applications to track the large assets in the supply chain logistics.
RFID Protocol	EPC Class1 Gen2, ISO18000-6C	EPC Class1 Gen2, ISO18000-6C	EPC Class1 Gen2, ISO18000-6C	EPC Class1 Gen2, ISO18000-6C	EPC Class1 Gen2, ISO18000-6C	EPC Class1 Gen2, ISO18000-6C	EPC Class1 Gen2, ISO18000-6C
Frequency	US 902-928MHz, EU 865-868MHz	US 902-928MHz, EU 865-868MHz	US 902-928MHz, EU 865-868MHz	US 902-928MHz, EU 865-868MHz	US 902-928MHz, EU 865-868MHz	US 902-928MHz, EU 865-868MHz	US 902-928MHz, EU 865-868MHz
IC type	Alien Higgs-3	Alien Higgs-3	Alien Higgs-3	Alien Higgs-3	Alien Higgs-3	Alien Higgs-3	Alien Higgs-3
Memory	EPC 96bits, User 512bits, TID64bits	EPC 96bits, User 512bits, TID64bits	EPC 96bits, User 512bits, TID64bits	EPC 96bits, User 512bits, TID64bits	EPC 96bits, User 512bits, TID64bits	EPC 96bits, User 512bits, TID64bits	EPC 96bits, User 512bits, TID64bits
Write Cycles	100,000 times	100,000 times	100,000 times	100,000 times	100,000 times	100,000 times	100,000 times
Functionality	Read/write	Read/write	Read/write	Read/write	Read/write	Read/write	Read/write
Data Retention	50 years	50 Years	50 Years	50 Years	50 Years	50 Years	50 Years
Applicable Surface	Metal Surfaces	Metal Surfaces	Metal Surfaces	Metal Surfaces	Metal Surfaces	Metal Surfaces	Metal Surfaces
Read Range (Fix Reader)	8.0m - On Metal	9.0m - On Metal	10.5m - On Metal	6.5m - On Metal	9.0m - On Metal	10.8m - On Metal	10.8m - On Metal
Read Range (Handheld)	4.9m - On Metal	5.5m - On Metal	6.3m - On Metal	3.4m - On Metal	5.0m - On Metal	6.5m - On Metal	6.5m - On Metal
Size	52x13mm, (Hole: D3mm)	60x20mm (Hole: D3.5mmx2)	70x20mm, (Hole: D4mm)	80x8mm, (Hole: D3mm)	80x20mm (Hole: D4mm)	90x20mm, (Hole: D3mm)	90x20mm, (Hole: D3mm)
Thickness	3.5mm	3.5mm	3.6mm	3.5mm	3.5mm	3.0mm	5.0mm
Material	FR4 (PCB)	FR4 (PCB)	FR4 (PCB)	FR4 (PCB)	FR4 (PCB)	FR4 (PCB)	FR4 (PCB)
Color	Black, white, red, green, blue	Black, white, red, green, blue	Black, white, red, green, blue	Black, white, red, green, blue	Black, white, red, green, blue	Black, white, red, green, blue	Black, white, red, green, blue
Mounting Methods	Adhesive, Screw	Adhesive, Screw, binding	Adhesive, Screw	Adhesive, Screw	Adhesive, Screw	Adhesive, Screw	Magnet (Magnetic Field ≥580 Gauss)
Weight	5.5g	8.5g	11.0g	5.0g	12.0g	12.0g	26g
IP Rating	IP68	IP68	IP68	IP68	IP68	IP68	IP68
Storage Temperature	-40°C to +150°C	-40°C to +150°C	-40°C to +150°C	-40°C to +150°C	-40°C to +150°C	-40°C to +150°C	-40°C to +150°C
Operation Temperature	-40°C to +100°C	-40°C to +100°C	-40°C to +100°C	-40°C to +100°C	-40°C to +100°C	-40°C to +100°C	-40°C to +100°C
Certifications	Reach, RoHS, CE	Reach, RoHS, CE	Reach, RoHS, CE	Reach, RoHS, CE	Reach, RoHS, CE	Reach, RoHS, CE	Reach, RoHS, CE








Passive UHF RFID Tags (Assorted):

							
	OPP4601	OPP510	OPP069	OPP105	OPP087	OPP130	Heavy120
Typical Application	Designed to be mounted on metal and embedded in concrete. Used in construction Embedded RFID tag can be used to uniquely identify building materials improving construction processes.	Used in package and material tracking, on truck mounting, and corrosive heavy industry environments. Also used in the concrete applications.	Suitable for on metal surface, harsh outdoor environments as well as exposure to water and contaminants. It can be attached using high-performance adhesives, via a rivet hole, or using a cable tie.	Industry-leading performance with up to 20 meters read range. Suitable for harsh outdoor environments as well as exposure to water and contaminants.	Mainly used for large pallets, in retails, warehouse logistics management, IT asset management, inventory management, assets management, automotive component tracking etc.	Used for large pallets, in retails, warehouse logistics management, assets management, automotive component tracking, industrial manufacturing, etc.	Designed for heavy industry and outdoor applications, including container tracking for yard management, cargo tracking, and defense asset management.
RFID Protocol	EPC Class1 Gen2, ISO18000-6C	EPC Class1 Gen2, ISO18000-6C	EPC Class1 Gen2, ISO18000-6C	EPC Class1 Gen2, ISO18000-6C	EPC Class1 Gen2, ISO18000-6C	EPC Class1 Gen2, ISO18000-6C	EPC Class1 Gen2, ISO18000-6C
Frequency	US 902-928MHz, EU 865-868MHz	US 902-928MHz, EU 865-868MHz	US 902-928MHz, EU 865-868MHz	US 902-928MHz, EU 865-868MHz	US 902-928MHz, EU 865-868MHz	US 902-928MHz, EU 865-868MHz	US 902-928MHz, EU 865-868MHz
IC type	Alien Higgs-3, (Monza M4QT, Monza R6, UCODE 7XM+, etc.)	Impinj Monza R6-P	NXP UCODE 8	NXP UCODE 8	Impinj Monza R6-P	Alien Higgs-3	Alien Higgs-3 NXP UCODE8
Memory	EPC 96bits, User 512bits, TID64bits	EPC128bits, USER64bits, TID96bits	EPC 128bits, USER 0bits, TID 96bits	EPC 128bits, USER 0bits, TID 96bits	EPC128bits, USER64bits, TID96bits	EPC 96bits, User 512bits, TID64bits	EPC 96bits, User 512bits, TID64bits
Write Cycles	100,000 times	100,000 times	100,000 times	100,000 times	100,000 times	100,000 times	100,000 times
Functionality	Read/write	Read/write	Read/write	Read/write	Read/write	Read/write	Read/write
Data Retention	50 years	50 Years	50 Years	50 Years	50 Years	50 Years	50 Years
Applicable Surface	Metal Surfaces	Metal Surfaces	Metal Surfaces	Metal Surfaces	Metal Surfaces	Metal Surfaces	Metal Surfaces
Read Range (Fix Reader)	6.5m - On Metal 2.2m - In concrete (5cm deep)	10.0m - On Metal 4.0m - In concrete (5cm deep)	11.0m - On Metal	19.0m - On Metal	9.8m - On Metal	30.0m - On Metal	9.5m - On Metal
Read Range (Handheld)	4.4m - On Metal 1.9m - In concrete (5cm deep)	5.0m - On Metal 1.5m - In concrete (5cm deep)	5.5m - On Metal	7.0m - On Metal	6.0m - On Metal	22.0m - On Metal	6.0m - On Metal
Size	46.5x31.5x7.5mm, Hole: dia3.6mmx2	51x47mm, (Hole: D5mmx2)	69x23mm, (Hole: D5.2mmx2)	105x30mm, (Hole: D5.2mmx2)	87x24mm, (Hole: D5mm)	130x42mm, (Hole: 2 hole)	120x30mm, front hole: Dia4mmx2, profile hole : 10x2mmx2
Thickness	7.5mm	10.0mm	7.0mm	7.5mm	11.0mm	10.5mm	10mm
Material	PPS	Engineering plastics	ABS+PC	ABS+PC	PC	PC	PA66
Color	Black	Black	White	White	Black, white, red, green, blue	Black, white, red, green, blue	Black
Mounting Methods	Embedded concrete	Screw, Rivet, Adhesive	Adhesive, Screw, binding	Adhesive, Screw, binding	Adhesive, Screw	Adhesive, Screw	Screw, back glue, tie
Weight	24g	23.5g	10.8g	26.0g	19.0g	38.0g	46.0g
IP Rating	IP68	IP68	IP68	IP68	IP68	IP68	IP68
Storage Temperature	-40°C to +180°C	-40°C to +85°C	-40°C to +85°C	-40°C to +85°C	-30°C to +70°C	-30°C to +100°C	-40°C to +120°C
Operation Temperature	-40°C to +150°C	-40°C to +85°C	-25°C to +85°C	-25°C to +85°C	-25°C to +85°C	-20°C to +80°C	-25°C to +120°C
Certifications	Reach, RoHS, CE	Reach, RoHS, CE	Reach, RoHS, CE	Reach, RoHS, CE	Reach, RoHS, CE	Reach, RoHS, CE	Reach, RoHS, CE

Passive UHF RFID Tags (Assorted):

	 OPP9018m	 OPP9018	 OPP2626	 OPPD721	 OPPI16
Typical Application	This UHF RFID smart tag has unique TPU housings that enable it to tolerate repeated bending or torsion and maintain excellent performance.	Rectangular flexible RFID tag can attach snugly to round or irregular surfaces, such as cylindrical containers, plastic pipes, helmets or even trees.	This anti-metal RFID tag is designed to meet challenges associated with industrial, automotive, and medical laboratory applications – where resistance to moisture and solvents are a must.	Looks harmonious when installing in the wood, pallet or trees and widely application in Tree identification, wooden assets, carton tracking, pallet tracking, Security.	Perfectly suitable for the oil and gas industry, as well as for tracking all kinds of outdoor equipment. Ideal for production control and asset management.
RFID Protocol	EPC Class1 Gen2, ISO18000-6C	EPC Class1 Gen2, ISO18000-6C	EPC Class1 Gen2, ISO18000-6C	EPC Class1 Gen2, ISO18000-6C	EPC Class1 Gen2, ISO18000-6C
Frequency	US 902-928MHz, EU 865-868MHz	US 902-928MHz, EU 865-868MHz	US 902-928MHz, EU 865-868MHz	US 902-928MHz, EU 865-868MHz	US 902-928MHz, EU 865-868MHz
IC type	Impinj MonzaR6	Impinj Monza R6-P	Alien Higgs-3	Alien Higgs-3	Alien Higgs-3
Memory	EPC 96bits, User 512bits, TID64bits	EPC 96bits, User 512bits, TID64bits	EPC 96bits, User 512bits, TID64bits	EPC 96bits, User 512bits, TID64bits	EPC 96bits, User 512bits, TID64bits
Write Cycles	100,000 times	100,000 times	100,000 times	100,000 times	100,000 times
Functionality	Read/write	Read/write	Read/write	Read/write	Read/write
Data Retention	50 years	50 Years	50 Years	50 Years	50 Years
Applicable Surface	Metal Surfaces	Non-Metal Surfaces	Metal Surfaces	Non-Metal Surfaces	Metal Surfaces
Read Range (Fix Reader)	1.5m - On Metal	7.5m, Off Metal	2.6 - On Metal	30.0cm - Off Metal	2.0m - On Metal
Read Range (Handheld)	1.0m - On Metal	5.0m, Off Metal	1.9m - On Metal	15cm - Off Metal	1.2m - On Metal
Size	90x18mm, (Hole: 10*4mm)	90x18mm, (Hole: 10*4mm)	26x26mm (Hole: D4mm x 2)	D: 7mm, H: 21mm	M16 Screw
Thickness	4.0mm	4.0mm	5.5mm	7.0mm	
Material	TPU	TPU	PPS shell, PCB Antenna	PC	304 Steel
Color	Black, white, red, green, blue, yellow	Black, white, red, green, blue, yellow	Black	Black	Black
Mounting Methods	Cable Tie	Cable Tie	Adhesive, Screw, binding	Adhesive	Adhesive
Weight	8.0g	8.0g	6.5g	1.0g	50.0g
IP Rating	IP68	IP68	IP68	IP68	IP68
Storage Temperature	-40°C to +100°C	-40°C to +100°C	-40°C to +100°C	-30°C to +85°C	-40°C to +150°C
Operation Temperature	-40°C to +100°C	-40°C to +100°C	-25°C to +100°C	-20°C to +80°C	-40°C to +100°C
Certifications	Reach, RoHS, CE	Reach, RoHS, CE	Reach, RoHS, CE	Reach, RoHS, CE	Reach, RoHS, CE

Passive UHF RFID Tags (Printable and Flexible):

							
	FLE6024	FLE6025	FLE4508	FLE4518	FLE6006	FLE7018	FLE9842
Typical Application	Used in industrial logistics, healthcare, item-level tracking, and automotive applications. Moreover, it can be easily deployed on straight and curve-shape surfaces with consistent performance.	Used for asset tracking (IT, Office, and kitchen assets), and hospital tracking requirements.	Used for jewelry tracking and mainly applicable for metal surface areas where it gives highly consistent read rates.	Widely used in Transportation, Supply Chain Logistics, Warehousing, Library, Livestock, Asset, Industrial Laundry, Smart Retail, Medical etc.	Easy to attach to curved objects such as cylinder bottles, pipes, metal containers and fixed assets	Used for application on car, transportation, Supply Chain Logistics, Warehousing, Library, Asset, Smart Retail, Medical etc.	Used for metal and non-metal assets, but better performance on non-metal surface.
RFID Protocol	EPC Class1 Gen2, ISO18000-6C	EPC Class1 Gen2, ISO18000-6C	EPC Class1 Gen2, ISO18000-6C	EPC Class1 Gen2, ISO18000-6C	EPC Class1 Gen2, ISO18000-6C	EPC Class1 Gen2, ISO18000-6C	EPC Class1 Gen2, ISO18000-6C
Frequency	US 902-928MHz, EU 865-868MHz	US 902-928MHz, EU 865-868MHz	US 902-928MHz, EU 865-868MHz	US 902-928MHz, EU 865-868MHz	US 902-928MHz, EU 865-868MHz	US 902-928MHz, EU 865-868MHz	US 902-928MHz, EU 865-868MHz
IC type	NXP UCODE 8	NXP UCODE 8	NXP UCODE 8	Impinj Monza R6-P	NXP UCODE 8	Impinj Monza R6-P	Impinj Monza R6-P
Memory	EPC 128bits, User 0bits, TID 96bits	EPC 128bits, User 0bits, TID 96bits	EPC 128bits, User 0bits, TID 96bits	EPC128bits, User 64bits, TID96bits	EPC 128bits, User 0bits, TID 96bits	EPC128bits, User 64bits, TID96bits	EPC128bits, User 64bits, TID96bits
Write Cycles	100,000 times	100,000 times	100,000 times	100,000 times	100,000 times	100,000 times	100,000 times
Functionality	Read/write	Read/write	Read/write	Read/write	Read/write	Read/write	Read/write
Data Retention	50 years	50 years	50 years	50 years	50 years	50 years	50 years
Applicable Surface	Metal Surfaces	Metal Surfaces	Metal Surfaces	Metal Surfaces	Metal Surfaces	Metal Surfaces	Metal Surfaces
Read Range (Fix Reader)	1.7m - On Metal	4.5m - On Metal	1.5m - On Metal	2.5m - On Metal	2.0m - On Metal	4.0m - On Metal	6.0m - On/Off Metal
Read Range (Handheld)	1.55m - On Metal	2.8m - On Metal	1.0m - On Metal	1.4m - On Metal	1.5m - On Metal	2.8m - On Metal	4.0m - On/Off Metal
Size	60 x 24mm	60 x 25mm	45 x 8mm	45 x 18mm	60 x 6mm	70 x 18mm	98 x 42mm
Thickness	1.0mm	1.0mm	1.0mm	1.0mm	1.0mm	1.7mm	1.0mm
Color	White	White	White	White	White	White	White
Mounting Methods	Adhesive	Adhesive	Adhesive	Adhesive	Adhesive	Adhesive	Adhesive
Weight	1.2g	1.5g	0.9g	0.9g	1.2g	1.2g	3.5g
IP Rating	IP57	IP57	IP57	IP57	IP57	IP57	IP57
Operation Temperature	-20°C to +70°C	-20°C to +85°C	-20°C to +70°C	-20°C to +70°C	-20°C to +70°C	-20°C to +70°C	-20°C to +70°C
Certifications	Reach, RoHS, CE	Reach, RoHS, CE	Reach, RoHS, CE	Reach, RoHS, CE	Reach, RoHS, CE	Reach, RoHS, CE	Reach, RoHS, CE