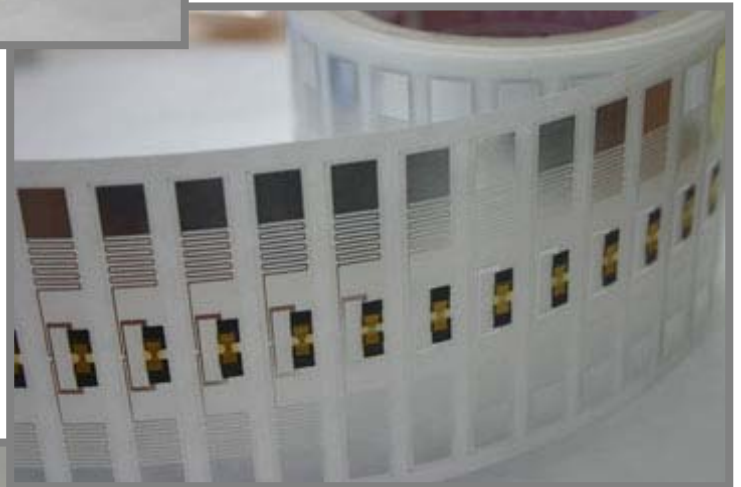


RFID Passive Tags - Product Specifications -

「These products only include RFCAMP internally and independently developed ones without any patent infringement issues worldwide.」

Read performance for each tag in following pages shall be different from that in real environment, based upon referred RFID readers, materials where tags are applied or real RF environment.

- Reference fixed reader: ALR9800 with 9610 LP antenna made by Alien Technology, US
- Reference handheld reader: V. 2007, Samsung TECHWIN



- Reference fixed reader: ALR9800 with 9610 LP antenna made by Alien Technology, US
- Reference handheld reader: V. 2007, Samsung TECHWIN

RFCU_32*26

Frequency

- UHF (US)
 UHF (EU)
 UHF (JPN)
 UHF (China)
 HF (13.56MHz)
 2.45GHz

Protocol

- EPC C1G2 – Passive
 EPC C1G2 – BAP[*]
 ISO18000-6-B
 ISO14443
 ISO15693
 Active



L(mm)*H(mm)*T(mm)

32 26 0.3

Form factor

- Dry Inlay Wet Inlay Label Card PVC Card PET G Card RW
 On-metal tag (Gen.) On-metal tag (Encased) On-metal tag (FR4)
 Case ABS Case Polycarbonate Case Acryl Token

Chip Spec

- IMPINJ MONZA 1 NXP EPC1.19 MIFARE 1K STD
 IMPINJ MONZA2 NXP UCODE GEN2 MIRARE Ultra-light
 IMPINJ MONZA3 NXP GEN2 XL ICODE UID
 ALIEN HIGGS NXP GEN2 XM ICODE SL2
 ST MICRO GEN2 TI GEN2 Strauss TI Tag it

Memory	TID	EPC	User	Access	Kill
bits	32	96	-	32	32

Read range	Fixed reader (ERP 1W)		Handheld reader (ERP .5W)	
	On-metal	Off-metal	On-metal	Off-metal
Type				
Min. range	-	2.0m	-	0.8m
Max. range	-	3.0m	-	1.0m

Reliability	Dust/Damp	Thermal shock	Humidity	Physical shock	TTA Cert.	Guarantee
Standard	IP65 (Gen.)	-35℃ ↔ 65℃	85℃/85%RH	Bending		
	IP68 (Max.)	1 times	72 Hrs.	7.5N@20mm φ		
Yes/No	-	Yes	Yes	Yes		12 months

Cases	Clients	Year	Applications
1	SamXXXX Electronics	2006 ~	Tracking inventory from Korea to Mexico

- Reference fixed reader: **ALR9800 with 9610 LP antenna made by Alien Technology, US**
- Reference handheld reader: **V. 2007, Samsung TECHWIN**

RFCU_96*2

Frequency

- UHF (US)
 UHF (EU)
 UHF (JPN)
 UHF (China)
 HF (13.56MHz)
 2.45GHz

Protocol

- EPC C1G2 – Passive
 EPC C1G2 – BAP[*]
 ISO18000-6-B
 ISO14443
 ISO15693
 Active

L(mm)*H(mm)*T(mm)

96

2.0

0.3

Form factor

- Dry Inlay Wet Inlay Label Card PVC Card PET G Card RW
 On-metal tag (Gen.) On-metal tag (Encased) On-metal tag (FR4)
 Case ABS Case Polycarbonate Case Acryl Token

Chip Spec

- IMPINJ MONZA 1 NXP EPC1.19 MIFARE 1K STD
 IMPINJ MONZA2 NXP UCODE GEN2 MIRARE Ultra-light
 IMPINJ MONZA3 NXP GEN2 XL ICODE UID
 ALIEN HIGGS NXP GEN2 XM ICODE SL2
 ST MICRO GEN2 TI GEN2 Strauss TI Tag it

Memory

bits

TID

32

EPC

96

User

-

Access

32

Kill

32

Read range

Fixed reader (ERP 1W)

Handheld reader (ERP .5W)

Type

On-metal

Off-metal

On-metal

Off-metal

Min. range

-

1.0m

-

0.5m

Max. range

-

2.0m

-

1.0m

Reliability

Dust/Damp

Thermal shock

Humidity

Physical shock

TTA Cert.

Guarantee

Standard

IP65 (Gen.)

-35℃ ↔ 65℃

85℃/85%RH

Bending

IP68 (Max.)

1 times

72 Hrs.

7.5N@20mm φ

Yes/No

-

Yes

Yes

Yes

12 months

Cases

1

Clients

XXX Cosmetics

Year

2006 ~

Applications

Inserted tag into plastic cap

- Reference fixed reader: ALR9800 with 9610 LP antenna made by Alien Technology, US
- Reference handheld reader: V. 2007, Samsung TECHWIN

RFCU_230*3

Frequency

- UHF (US)
 UHF (EU)
 UHF (JPN)
 UHF (China)
 HF (13.56MHz)
 2.45GHz

Protocol

- EPC C1G2 – Passive
 EPC C1G2 – BAP[*]
 ISO18000-6-B
 ISO14443
 ISO15693
 Active

L(mm)*H(mm)*T(mm)

230 3 0.3

Form factor

- Dry Inlay Wet Inlay Label Card PVC Card PET G Card RW
 On-metal tag (Gen.) On-metal tag (Encased) On-metal tag (FR4)
 Case ABS Case Polycarbonate Case Acryl Token FR4

Chip Spec

- IMPINJ MONZA 1 NXP EPC1.19 MIFARE 1K STD
 IMPINJ MONZA2 NXP UCODE GEN2 MIRARE Ultra-light
 IMPINJ MONZA3 NXP GEN2 XL ICODE UID
 ALIEN HIGGS NXP GEN2 XM ICODE SL2
 ST MICRO GEN2 TI GEN2 Strauss TI Tag it

Memory

bits

TID

64 (NXP XM)

EPC

256 (NXP XM)

User

512 (NXP XM)

Access

32

Kill

32

Read range

Fixed reader (ERP 1W)

Handheld reader (ERP .5W)

Type

On-metal

Off-metal

On-metal

Off-metal

Min. range

-

7.0m

-

2.5m

Max. range

-

8.0m

-

3.0m

Reliability

Dust/Damp

Thermal shock

Humidity

Physical shock

TTA Cert.

Guarantee

Standard

IP65 (Gen.)

-35°C ↔ 65°C

85°C/85%RH

Bending

IP68 (Max.)

1 times

72 Hrs.

7.5N@20mm φ

Yes/No

-

Yes

Yes

Yes

12
months

Cases

1

Clients

XX Technology

Year

2008 ~

Applications

Library tags for item level books

- Reference fixed reader: **ALR9800 with 9610 LP antenna made by Alien Technology, US**
- Reference handheld reader: **V. 2007, Samsung TECHWIN**

RFCU_50*5

Frequency

- UHF (US)
 UHF (EU)
 UHF (JPN)
 UHF (China)
 HF (13.56MHz)
 2.45GHz

Protocol

- EPC C1G2 – Passive
 EPC C1G2 – BAP[*]
 ISO18000-6-B
 ISO14443
 ISO15693
 Active



L(mm)*H(mm)*T(mm)

50

5.0

0.3

Form factor

- Dry Inlay Wet Inlay Label Card PVC Card PET G Card RW
 On-metal tag (Gen.) On-metal tag (Encased) On-metal tag (FR4)
 Case ABS Case Polycarbonate Case Acryl Token

Chip Spec

- IMPINJ MONZA 1 NXP EPC1.19 MIFARE 1K STD
 IMPINJ MONZA2 NXP UCODE GEN2 MIRARE Ultra-light
 IMPINJ MONZA3 NXP GEN2 XL ICODE UID
 ALIEN HIGGS NXP GEN2 XM ICODE SL2
 ST MICRO GEN2 TI GEN2 Strauss TI Tag it

Memory

bits

TID

32

EPC

96(128)

User

(32)

Access

32

Kill

32

Read range

Fixed reader (ERP 1W)

Handheld reader (ERP .5W)

Type

On-metal

Off-metal

On-metal

Off-metal

Min. range

-

2.0m

-

0.8m

Max. range

-

2.5m

-

1.0m

Reliability

Dust/Damp

Thermal shock

Humidity

Physical shock

TTA Cert.

Guarantee

Standard

IP65 (Gen.)

-35°C ↔ 65°C

85°C/85%RH

Bending

IP68 (Max.)

1 times**72** Hrs.

7.5N@20mm φ

Yes/No

-

Yes**Yes****Yes****12**
months

Cases

Clients

Year

Applications

1

HXXXX Pharmaceuticals

2007 ~

Inserted tag into plastic cap

2

XXXXX Bank (US)

2007 ~

Tags for magnetic disc and tapes

- Reference fixed reader: **ALR9800 with 9610 LP antenna made by Alien Technology, US**
- Reference handheld reader: **V. 2007, Samsung TECHWIN**

RFCU_67*8

Frequency

- UHF (US)
- UHF (EU)
- UHF (JPN)
- UHF (China)
- HF (13.56MHz)
- 2.45GHz

Protocol

- EPC C1G2 – Passive
- EPC C1G2 – BAP[*]
- ISO18000-6-B
- ISO14443
- ISO15693
- Active



L(mm)*H(mm)*T(mm)

67

8.0

0.3

Form factor

- Dry Inlay
- Wet Inlay
- Label
- Card PVC
- Card PET G
- Card RW
- On-metal tag (Gen.)
- On-metal tag (Encased)
- On-metal tag (FR4)
- Case ABS
- Case Polycarbonate
- Case Acryl
- Token

Chip Spec

- IMPINJ MONZA 1
- IMPINJ MONZA2
- IMPINJ MONZA3
- ALIEN HIGGS
- ST MICRO GEN2
- NXP EPC1.19
- NXP UCODE GEN2
- NXP GEN2 XL
- NXP GEN2 XM
- TI GEN2 Strauss
- MIFARE 1K STD
- MIRARE Ultra-light
- ICODE UID
- ICODE SL2
- TI Tag it

Memory

bits

TID

32

EPC

96(128)

User

(32)

Access

32

Kill

32

Read range

Fixed reader (ERP 1W)

Handheld reader (ERP .5W)

Type

On-metal

Off-metal

On-metal

Off-metal

Min. range

-

5.0m

-

2.0m

Max. range

-

6.0m

-

2.5m

Reliability

Dust/Damp

Thermal shock

Humidity

Physical shock

TTA Cert.

Guarantee

Standard

IP65 (Gen.)

-35°C ↔ 65°C

85°C/85%RH

Bending

IP68 (Max.)

1 times

72 Hrs.

7.5N@20mm φ

Yes/No

-

Yes

Yes

Yes

12
months

Cases

Clients

Year

Applications

1

Prosecutor's Office

2007 ~

Tags for document tracking solutions

2

XXXXX Textile

2007 ~

Apparel tags

- Reference fixed reader: **ALR9800 with 9610 LP antenna made by Alien Technology, US**
- Reference handheld reader: **V. 2007, Samsung TECHWIN**

RFCU_45*10

Frequency

- UHF (US)
 UHF (EU)
 UHF (JPN)
 UHF (China)
 HF (13.56MHz)
 2.45GHz

Protocol

- EPC C1G2 – Passive
 EPC C1G2 – BAP[*]
 ISO18000-6-B
 ISO14443
 ISO15693
 Active



L(mm)*H(mm)*T(mm)

45

10

0.3

Form factor

- Dry Inlay Wet Inlay Label Card PVC Card PET G Card RW
 On-metal tag (Gen.) On-metal tag (Encased) On-metal tag (FR4)
 Case ABS Case Polycarbonate Case Acryl Token

Chip Spec

- IMPINJ MONZA 1 NXP EPC1.19 MIFARE 1K STD
 IMPINJ MONZA2 NXP UCODE GEN2 MIRARE Ultra-light
 IMPINJ MONZA3 NXP GEN2 XL ICODE UID
 ALIEN HIGGS NXP GEN2 XM ICODE SL2
 ST MICRO GEN2 TI GEN2 Strauss TI Tag it

Memory

bits

TID

32

EPC

96

User

-

Access

32

Kill

32

Read range

Fixed reader (ERP 1W)

Handheld reader (ERP .5W)

Type

On-metal

Off-metal

On-metal

Off-metal

Min. range

-

3.0m

-

1.2m

Max. range

-

4.0m

-

1.7m

Reliability

Dust/Damp

Thermal shock

Humidity

Physical shock

TTA Cert.

Guarantee

Standard

IP65 (Gen.)

-35°C ↔ 65°C

85°C/85%RH

Bending

IP68 (Max.)

1 times

72 Hrs.

7.5N@20mm φ

Yes/No

-

Yes

Yes

Yes

12
months

Cases

Clients

Year

Applications

1

HXXXX Pharmaceuticals

2007 ~

Inserted tag into plastic cap

2

DVC/CD Chain (US)

2007 ~

DVD/CD Tag

- Reference fixed reader: **ALR9800 with 9610 LP antenna made by Alien Technology, US**
- Reference handheld reader: **V. 2007, Samsung TECHWIN**

RFCU_48*10

Frequency

- UHF (US)
 UHF (EU)
 UHF (JPN)
 UHF (China)
 HF (13.56MHz)
 2.45GHz

Protocol

- EPC C1G2 – Passive
 EPC C1G2 – BAP[*]
 ISO18000-6-B
 ISO14443
 ISO15693
 Active



L(mm)*H(mm)*T(mm)

48

10

0.3

Form factor

- Dry Inlay Wet Inlay Label Card PVC Card PET G Card RW
 On-metal tag (Gen.) On-metal tag (Encased) On-metal tag (FR4)
 Case ABS Case Polycarbonate Case Acryl Token

Chip Spec

- IMPINJ MONZA 1 NXP EPC1.19 MIFARE 1K STD
 IMPINJ MONZA2 NXP UCODE GEN2 MIRARE Ultra-light
 IMPINJ MONZA3 NXP GEN2 XL ICODE UID
 ALIEN HIGGS NXP GEN2 XM ICODE SL2
 ST MICRO GEN2 TI GEN2 Strauss TI Tag it

Memory

bits

TID

64

EPC

240

User

512

Access

32

Kill

32

Read range

Fixed reader (ERP 1W)

Handheld reader (ERP .5W)

Type

On-metal

Off-metal

On-metal

Off-metal

Min. range

-

3.0m

-

1.2m

Max. range

-

4.0m

-

1.7m

Reliability

Dust/Damp

Thermal shock

Humidity

Physical shock

TTA Cert.

Guarantee

Standard

IP65 (Gen.)

-35°C ↔ 65°C

85°C/85%RH

Bending

TTA Cert.

IP68 (Max.)

1 times

72 Hrs.

7.5N@20mm ϕ

TTA Cert.

Yes/No

-

Yes

Yes

Yes

TTA Cert.

12
months

Cases

1

2

Clients

Year

Applications

- Reference fixed reader: ALR9800 with 9610 LP antenna made by Alien Technology, US
- Reference handheld reader: V. 2007, Samsung TECHWIN

RFCU_28*13

Frequency

- UHF (US)
 UHF (EU)
 UHF (JPN)
 UHF (China)
 HF (13.56MHz)
 2.45GHz

Protocol

- EPC C1G2 – Passive
 EPC C1G2 – BAP[*]
 ISO18000-6-B
 ISO14443
 ISO15693
 Active



L(mm)*H(mm)*T(mm)

28

13

0.3

Form factor

- Dry Inlay Wet Inlay Label Card PVC Card PET G Card RW
 On-metal tag (Gen.) On-metal tag (Encased) On-metal tag (FR4)
 Case ABS Case Polycarbonate Case Acryl Token

Chip Spec

- IMPINJ MONZA 1 NXP EPC1.19 MIFARE 1K STD
 IMPINJ MONZA2 NXP UCODE GEN2 MIRARE Ultra-light
 IMPINJ MONZA3 NXP GEN2 XL ICODE UID
 ALIEN HIGGS NXP GEN2 XM ICODE SL2
 ST MICRO GEN2 TI GEN2 Strauss TI Tag it

Memory

bits

TID

32

EPC

96

User

-

Access

32

Kill

32

Read range

Fixed reader (ERP 1W)

Handheld reader (ERP .5W)

Type

On-metal

Off-metal

On-metal

Off-metal

Min. range

-

2.0m

-

0.8m

Max. range

-

2.5m

-

1.0m

Reliability

Dust/Damp

Thermal shock

Humidity

Physical shock

TTA Cert.

Guarantee

Standard

IP65 (Gen.)

-35°C ↔ 65°C

85°C/85%RH

Bending

IP68 (Max.)

1 times

72 Hrs.

7.5N@20mm φ

Yes/No

-

Yes

Yes

Yes

12
months

Cases

Clients

Year

Applications

1

Min. of Healthcare

2007 ~

Food tracking tags

2

XXXCosmetics

2008 ~

Cosmetic tracking tags

- Reference fixed reader: **ALR9800 with 9610 LP antenna made by Alien Technology, US**
- Reference handheld reader: **V. 2007, Samsung TECHWIN**

RFCU_16*10
Frequency

- UHF (US)
 UHF (EU)
 UHF (JPN)
 UHF (China)
 HF (13.56MHz)
 2.45GHz

Protocol

- EPC C1G2 – Passive
 EPC C1G2 – BAP[*]
 ISO18000-6-B
 ISO14443
 ISO15693
 Active


L(mm)*H(mm)*T(mm)

16

10

0.3

Form factor

- Dry Inlay Wet Inlay Label Card PVC Card PET G Card RW
 On-metal tag (Gen.) On-metal tag (Encased) On-metal tag (FR4)
 Case ABS Case Polycarbonate Case Acryl Token

Chip Spec

- IMPINJ MONZA 1 NXP EPC1.19 MIFARE 1K STD
 IMPINJ MONZA2 NXP UCODE GEN2 MIRARE Ultra-light
 IMPINJ MONZA3 NXP GEN2 XL ICODE UID
 ALIEN HIGGS NXP GEN2 XM ICODE SL2
 ST MICRO GEN2 TI GEN2 Strauss TI Tag it

Memory

bits

TID

32

EPC

96

User

-

Access

32

Kill

32

Read range
Fixed reader (ERP 1W)
Handheld reader (ERP .5W)

Type

Liquid

Off-metal

Liquid

Off-metal

Min. range

20cm

-

3cm

-

Max. range

30cm

-

5cm

-

Reliability
Dust/Damp
Thermal shock
Humidity
Physical shock
TTA Cert.
Guarantee

Standard

IP65 (Gen.)

-35°C ↔ 65°C

85°C/85%RH

Bending

TTA Cert.

IP68 (Max.)

1 times

72 Hrs.

7.5N@20mm ϕ

Yes/No

-

Yes
Yes
Yes
12
months

Cases

1

Clients

HXXXX Pharmaceuticals

Year

2007 ~

Applications

Inserted tag into plastic cap

- Reference fixed reader: **ALR9800 with 9610 LP antenna made by Alien Technology, US**
- Reference handheld reader: **V. 2007, Samsung TECHWIN**

RFCU_25¢



Frequency

- UHF (US)
- UHF (EU)
- UHF (JPN)
- UHF (China)
- HF (13.56MHz)
- 2.45GHz

Protocol

- EPC C1G2 – Passive
- EPC C1G2 – BAP[*]
- ISO18000-6-B
- ISO14443
- ISO15693
- Active

L(mm)*H(mm)*T(mm)

Dia. 25

T. 0.5

Form factor

- Dry Inlay
- Wet Inlay
- Label
- Card PVC
- Card PET G
- Card RW
- On-metal tag (Gen.)
- On-metal tag (Encased)
- On-metal tag (FR4)
- Case ABS
- Case Polycarbonate
- Case Acryl
- Token

Chip Spec

- IMPINJ MONZA 1
- NXP EPC1.19
- MIFARE 1K STD
- IMPINJ MONZA2
- NXP UCODE GEN2
- MIRARE Ultra-light
- IMPINJ MONZA3
- NXP GEN2 XL
- ICODE UID
- ALIEN HIGGS
- NXP GEN2 XM
- ICODE SL2
- ST MICRO GEN2
- TI GEN2 Strauss
- TI Tag it

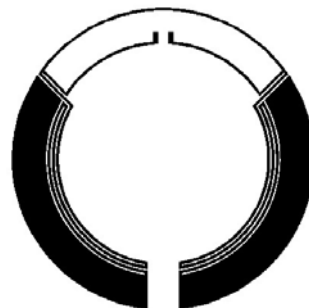
Memory	TID	EPC	User	Access	Kill
bits	32	96 (128)	(36)	32	32

Read range	Fixed reader (ERP 1W)		Handheld reader (ERP .5W)	
	On-metal	Off-metal	On-metal	Off-metal
Type				
Min. range	-	30cm	-	5cm
Max. range	-	50cm	-	10cm

Reliability	Dust/Damp	Thermal shock	Humidity	Physical shock	TTA Cert.	Guarantee
Standard	IP65 (Gen.)	100 °C	85 °C / 85%RH	500m/s ²		
	IP68 (Max.)	2 Hrs.	336 Hrs.	100 times		
Yes/No	IP68	Yes	Yes	Yes		36 months

Cases	Clients	Year	Applications
1	China XXXX Ltd.	2008 ~	RFID Ticket for Exhibition
2	HXXXX Pharmaceuticals	2008 ~	Inserted tag into plastic cap

- Reference fixed reader: **ALR9800 with 9610 LP antenna made by Alien Technology, US**
- Reference handheld reader: **V. 2007, Samsung TECHWIN**

RFCU_28*19

Frequency

- UHF (US)
 UHF (EU)
 UHF (JPN)
 UHF (China)
 HF (13.56MHz)
 2.45GHz

Protocol

- EPC C1G2 – Passive
 EPC C1G2 – BAP[*]
 ISO18000-6-B
 ISO14443
 ISO15693
 Active

L(mm)*H(mm)*T(mm)

O.D. 28	I.D. 19	T. 0.3
---------	---------	--------

Form factor

- Dry Inlay Wet Inlay Label Card PVC Card PET G Card RW
 On-metal tag (Gen.) On-metal tag (Encased) On-metal tag (FR4)
 Case ABS Case Polycarbonate Case Acryl Token

Chip Spec

- IMPINJ MONZA 1 NXP EPC1.19 MIFARE 1K STD
 IMPINJ MONZA2 NXP UCODE GEN2 MIRARE Ultra-light
 IMPINJ MONZA3 NXP GEN2 XL ICODE UID
 ALIEN HIGGS NXP GEN2 XM ICODE SL2
 ST MICRO GEN2 TI GEN2 Strauss TI Tag it

Memory	TID	EPC	User	Access	Kill
bits	32	96	-	32	32

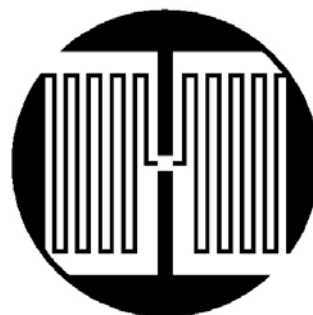
Read range	Fixed reader (ERP 1W)		Handheld reader (ERP .5W)	
	On-metal	Off-metal	On-metal	Off-metal
Type				
Min. range	-	1.0m	-	0.4m
Max. range	-	1.2m	-	0.5m

Reliability	Dust/Damp	Thermal shock	Humidity	Physical shock	TTA Cert.	Guarantee
Standard	IP65 (Gen.)	-35℃ ↔ 65℃	85℃/85%RH	Bending		
	IP68 (Max.)	1 times	72 Hrs.	7.5N@20mm φ		
Yes/No	-	Yes	Yes	Yes		12 months

Cases	Clients	Year	Applications
1	HXXXXX Pharmaceuticals	2007 ~	Inserted tag into plastic cap

- Reference fixed reader: ALR9800 with 9610 LP antenna made by Alien Technology, US
- Reference handheld reader: V. 2007, Samsung TECHWIN

RFCU_18¢



Frequency

- UHF (US)
 UHF (EU)
 UHF (JPN)
 UHF (China)
 HF (13.56MHz)
 2.45GHz

Protocol

- EPC C1G2 – Passive
 EPC C1G2 – BAP[*]
 ISO18000-6-B
 ISO14443
 ISO15693
 Active

L(mm)*H(mm)*T(mm)

Dia. 18

T. 0.3

Form factor

- Dry Inlay Wet Inlay Label Card PVC Card PET G Card RW
 On-metal tag (Gen.) On-metal tag (Encased) On-metal tag (FR4)
 Case ABS Case Polycarbonate Case Acryl Token

Chip Spec

- IMPINJ MONZA 1 NXP EPC1.19 MIFARE 1K STD
 IMPINJ MONZA2 NXP UCODE GEN2 MIRARE Ultra-light
 IMPINJ MONZA3 NXP GEN2 XL ICODE UID
 ALIEN HIGGS NXP GEN2 XM ICODE SL2
 ST MICRO GEN2 TI GEN2 Strauss TI Tag it

Memory

bits

TID

32

EPC

96

User

-

Access

32

Kill

32

Read range

Fixed reader (ERP 1W)

Handheld reader (ERP .5W)

Type

Liquid

Off-metal

Liquid

Off-metal

Min. range

20cm
20cm
5cm
5cm

Max. range

30cm
30cm
7cm
7cm

Reliability

Dust/Damp

Thermal shock

Humidity

Physical shock

TTA Cert.

Guarantee

Standard

IP65 (Gen.)

-35°C ↔ 65°C

85°C/85%RH

Bending

IP68 (Max.)

1 times

72 Hrs.

 7.5N@20mm ϕ

Yes/No

-

Yes
Yes
Yes
12
months

Cases

Clients

Year

Applications

1

HXXXX Pharmaceuticals

2007 ~

Inserted tag into plastic cap

2

M. of Pasturage (China)

2007 ~

Ear tag for cow and pigs

- Reference fixed reader: **ALR9800 with 9610 LP antenna made by Alien Technology, US**
- Reference handheld reader: **V. 2007, Samsung TECHWIN**

RFCU_98*12

Frequency

- UHF (US)
- UHF (EU)
- UHF (JPN)
- UHF (China)
- HF (13.56MHz)
- 2.45GHz

Protocol

- EPC C1G2 – Passive
- EPC C1G2 – BAP[*]
- ISO18000-6-B
- ISO14443
- ISO15693
- Active



L(mm)*H(mm)*T(mm)

98

12

1.2

Form factor

- Dry Inlay
- Wet Inlay
- Label
- Card PVC
- Card PET G
- Card RW
- On-metal tag (Gen.)
- On-metal tag (Encased)
- On-metal tag (FR4)
- Case ABS
- Case Polycarbonate
- Case Acryl
- Token
- FR4

Chip Spec

- IMPINJ MONZA 1
- NXP EPC1.19
- MIFARE 1K STD
- IMPINJ MONZA2
- NXP UCODE GEN2
- MIRARE Ultra-light
- IMPINJ MONZA3
- NXP GEN2 XL
- ICODE UID
- ALIEN HIGGS
- NXP GEN2 XM
- ICODE SL2
- ST MICRO GEN2
- TI GEN2 Strauss
- TI Tag it

Memory

bits

TID

32

EPC

96

User

-

Access

32

Kill

32

Read range

Fixed reader (ERP 1W)

Handheld reader (ERP .5W)

Type

On-metal

Off-metal

On-metal

Off-metal

Min. range

-

5.0m

-

2.0m

Max. range

-

6.0m

-

2.5m

Reliability

Dust/Damp

Thermal shock

Humidity

Physical shock

TTA Cert.

Guarantee

Standard

IP65 (Gen.)

100 °C

85 °C / 85%RH

500m/s²

IP68 (Max.)

2 Hrs.

336 Hrs.

100 times

Yes/No

IP68

Yes

Yes

Yes

36 months

Cases

Clients

Year

Applications

1

XXX Electronics

2007 ~

Windshield tag for parking lot management

2

Food company (Asia)

2008 ~

Floor inserted tags for WIP

- Reference fixed reader: **ALR9800 with 9610 LP antenna made by Alien Technology, US**
- Reference handheld reader: **V. 2007, Samsung TECHWIN**

RFCU_70*25

Frequency

- UHF (US)
 UHF (EU)
 UHF (JPN)
 UHF (China)
 HF (13.56MHz)
 2.45GHz

Protocol

- EPC C1G2 – Passive
 EPC C1G2 – BAP[*]
 ISO18000-6-B
 ISO14443
 ISO15693
 Active



L(mm)*H(mm)*T(mm)

70

25

0.3

Form factor

- Dry Inlay Wet Inlay Label Card PVC Card PET G Card RW
 On-metal tag (Gen.) On-metal tag (Encased) On-metal tag (FR4)
 Case ABS Case Polycarbonate Case Acryl Token

Chip Spec

- IMPINJ MONZA 1 NXP EPC1.19 MIFARE 1K STD
 IMPINJ MONZA2 NXP UCODE GEN2 MIRARE Ultra-light
 IMPINJ MONZA3 NXP GEN2 XL ICODE UID
 ALIEN HIGGS NXP GEN2 XM ICODE SL2
 ST MICRO GEN2 TI GEN2 Strauss TI Tag it

Memory

bits

TID

32

EPC

96

User

-

Access

32

Kill

32

Read range

Fixed reader (ERP 1W)

Handheld reader (ERP .5W)

Type

On-metal

Off-metal

On-metal

Off-metal

Min. range

-

4.0m

-

1.7m

Max. range

-

5.0m

-

2.0m

Reliability

Dust/Damp

Thermal shock

Humidity

Physical shock

TTA Cert.

Guarantee

Standard

IP65 (Gen.)

-35°C ↔ 65°C

85°C/85%RH

Bending

IP68 (Max.)

1 times

72 Hrs.

7.5N@20mm φ

Yes/No

-

Yes

Yes

Yes

12
months

Cases

Clients

Year

Applications

1

CXXXXXXXX (US)

2008 ~

Loyalty card

2

GXXXXX

2008 ~

Vehicle and entry control

- Reference fixed reader: **ALR9800 with 9610 LP antenna made by Alien Technology, US**
- Reference handheld reader: **V. 2007, Samsung TECHWIN**

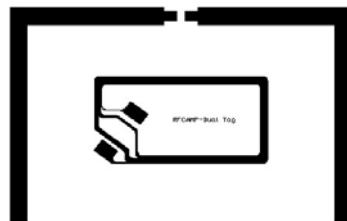
RFCU_Dual

Frequency

- UHF (US)
 UHF (EU)
 UHF (JPN)
 UHF (China)
 HF (13.56MHz)
 2.45GHz

Protocol

- EPC C1G2 – Passive
 EPC C1G2 – BAP[*]
 ISO18000-6-B
 ISO14443
 ISO15693
 Active



L(mm)*H(mm)*T(mm)

79

50

0.3

Form factor

- Dry Inlay Wet Inlay Label Card PVC Card PET G Card RW
 On-metal tag (Gen.) On-metal tag (Encased) On-metal tag (FR4)
 Case ABS Case Polycarbonate Case Acryl Token

Chip Spec

- IMPINJ MONZA 1 NXP EPC1.19 MIFARE 1K STD
 IMPINJ MONZA2 NXP UCODE GEN2 MIRARE Ultra-light
 IMPINJ MONZA3 NXP GEN2 XL ICODE UID
 ALIEN HIGGS NXP GEN2 XM ICODE SL2
 ST MICRO GEN2 TI GEN2 Strauss TI Tag it

Memory

bits

TID

32

EPC

96

User

-

Access

32

Kill

32

Read range

Fixed reader (ERP 1W)

Handheld reader (ERP .5W)

Type

On-metal

Off-metal

On-metal

Off-metal

Min. range

-

UHF 5m/HF 5cm

-

UHF 2m/HF 3cm

Max. range

-

UHF 6m/HF 7cm

-

UHF 2.5m/HF 5cm

Reliability

Dust/Damp

Thermal shock

Humidity

Physical shock

TTA Cert.

Guarantee

Standard

IP65 (Gen.)

-35°C ↔ 65°C

85°C/85%RH

Bending

IP68 (Max.)

1 times

72 Hrs.

7.5N@20mm φ

Yes/No

-

Yes

Yes

Yes

12
months

Cases

Clients

Year

Applications

1

SXXXXXX S1

2007 ~

Vehicle and entry control

2

NAVY

2007 ~

Vehicle and entry control

- Reference fixed reader: **ALR9800 with 9610 LP antenna made by Alien Technology, US**
- Reference handheld reader: **V. 2007, Samsung TECHWIN**

RFCU_Long Dipole

Frequency

- UHF (US)
 UHF (EU)
 UHF (JPN)
 UHF (China)
 HF (13.56MHz)
 2.45GHz

Protocol

- EPC C1G2 – Passive
 EPC C1G2 – BAP[*]
 ISO18000-6-B
 ISO14443
 ISO15693
 Active



L(mm)*H(mm)*T(mm)

92

14

0.3

Form factor

- Dry Inlay Wet Inlay Label Card PVC Card PET G Card RW
 On-metal tag (Gen.) On-metal tag (Encased) On-metal tag (FR4)
 Case ABS Case Polycarbonate Case Acryl Token FR4

Chip Spec

- IMPINJ MONZA 1 NXP EPC1.19 MIFARE 1K STD
 IMPINJ MONZA2 NXP UCODE GEN2 MIRARE Ultra-light
 IMPINJ MONZA3 NXP GEN2 XL ICODE UID
 ALIEN HIGGS NXP GEN2 XM ICODE SL2
 ST MICRO GEN2 TI GEN2 Strauss TI Tag it

Memory

bits

TID

64 (NXP XM)

EPC

256 (NXP XM)

User

512 (NXP XM)

Access

32

Kill

32

Read range

Fixed reader (ERP 1W)

Handheld reader (ERP .5W)

Type

On-metal

Off-metal

On-metal

Off-metal

Min. range

-

6.0m

-

2.5m

Max. range

-

7.0m

-

3.0m

Reliability

Dust/Damp

Thermal shock

Humidity

Physical shock

TTA
Cert.

Guarantee

Standard

IP65 (Gen.)

-35°C ↔ 65°C

85°C/85%RH

Bending

IP68 (Max.)

1 times

72 Hrs.

7.5N@20mm φ

Yes/No

-

Yes

Yes

Yes

12
months

Cases

Clients

Year

Applications

1

U-Green Logistics

2008 ~

Recycle tracking tags for used electronics

2

Mobile RFID for taxi cabs

2006 ~

Windshield tags

- Reference fixed reader: **ALR9800 with 9610 LP antenna made by Alien Technology, US**
- Reference handheld reader: **V. 2007, Samsung TECHWIN**

RFCH_76*45

Frequency

- UHF (US)
 UHF (EU)
 UHF (JPN)
 UHF (China)
 HF (13.56MHz)
 2.45GHz

Protocol

- EPC C1G2 – Passive
 EPC C1G2 – BAP[*]
 ISO18000-6-B
 ISO14443A
 ISO15693
 Active

L(mm)*H(mm)*T(mm)

76

45

0.3

Form factor

- Dry Inlay Wet Inlay Label Card PVC Card PET G Card RW
 On-metal tag (Gen.) On-metal tag (Encased) On-metal tag (FR4)
 Case ABS Case Polycarbonate Case Acryl Token

Chip Spec

- IMPINJ MONZA 1 NXP EPC1.19 MIFARE 1K STD
 IMPINJ MONZA2 NXP UCODE GEN2 MIRARE Ultra-light
 IMPINJ MONZA3 NXP GEN2 XL ICODE UID
 ALIEN HIGGS NXP GEN2 XM ICODE SL2
 ST MICRO GEN2 TI GEN2 Strauss TI Tag it

Memory

bits

TID

64

Function

64

User

896

Access

-

Kill

-

Read range
Fixed reader (ERP 1W)
Handheld reader (ERP .5W)

Type

ISO 15693

ISO 14443A

ISO 15693

ISO 14443A

Min. range

40cm**7cm****10cm****2cm**

Max. range

70cm**10cm****15cm****3cm**
Reliability
Dust/Damp
Thermal shock
Humidity
Physical shock
**TTA
Cert.**
Guarantee

Standard

IP65 (Gen.)

-35°C ↔ 65°C

85°C/85%RH

Bending

IP68 (Max.)

1 times**72** Hrs.

7.5N@20mm φ

Yes/No

-

Yes**Yes****Yes****12**
months
Cases

1

Clients

District library

Year

2007 ~

Applications

Library tags for item level books

- Reference fixed reader: **ALR9800 with 9610 LP antenna made by Alien Technology, US**
- Reference handheld reader: **V. 2007, Samsung TECHWIN**

RFCH_31*8

Frequency

- UHF (US)
- UHF (EU)
- UHF (JPN)
- UHF (China)
- HF (13.56MHz)
- 2.45GHz

Protocol

- EPC C1G2 – Passive
- EPC C1G2 – BAP[*]
- ISO18000-6-B
- ISO14443A
- ISO15693
- Active



L(mm)*H(mm)*T(mm)

31	8.0	0.3
----	-----	-----

Form factor

- Dry Inlay
- Wet Inlay
- Label
- Card PVC
- Card PET G
- Card RW
- On-metal tag (Gen.)
- On-metal tag (Encased)
- On-metal tag (FR4)
- Case ABS
- Case Polycarbonate
- Case Acryl
- Token

Chip Spec

- IMPINJ MONZA 1
- NXP EPC1.19
- MIFARE 1K STD
- IMPINJ MONZA2
- NXP UCODE GEN2
- MIRARE Ultra-light
- IMPINJ MONZA3
- NXP GEN2 XL
- ICODE UID
- ALIEN HIGGS
- NXP GEN2 XM
- ICODE SL2
- ST MICRO GEN2
- TI GEN2 Strauss
- TI Tag it

Memory	TID	Function	User	Access	Kill
bits	64	64	896	-	-

Read range	Fixed reader (ERP 1W)		Handheld reader (ERP .5W)	
Type	ISO 15693	ISO 14443A	ISO 15693	ISO 14443A
Min. range	40cm	-	10cm	-
Max. range	70cm	-	15cm	-

Reliability	Dust/Damp	Thermal shock	Humidity	Physical shock	TTA Cert.	Guarantee
Standard	IP65 (Gen.)	-35℃ ↔ 65℃	85℃/85%RH	Bending	-	12 months
	IP68 (Max.)	1 times	72 Hrs.	7.5N@20mm φ		
Yes/No	-	Yes	Yes	Yes		

Cases	Clients	Year	Applications
1	KXXXXXX Cosmetics	2007 ~	Inserted tag into plastic cap
2	Restaurant franchise	2007 ~	Loyalty card

- Reference fixed reader: **ALR9800 with 9610 LP antenna made by Alien Technology, US**
- Reference handheld reader: **V. 2007, Samsung TECHWIN**

RFCH_36*15

Frequency

- UHF (US)
 UHF (EU)
 UHF (JPN)
 UHF (China)
 HF (13.56MHz)
 2.45GHz

Protocol

- EPC C1G2 – Passive
 EPC C1G2 – BAP[*]
 ISO18000-6-B
 ISO14443A
 ISO15693
 Active



L(mm)*H(mm)*T(mm)

36

15

0.3

Form factor

- Dry Inlay Wet Inlay Label Card PVC Card PET G Card RW
 On-metal tag (Gen.) On-metal tag (Encased) On-metal tag (FR4)
 Case ABS Case Polycarbonate Case Acryl Token

Chip Spec

- IMPINJ MONZA 1 NXP EPC1.19 MIFARE 1K STD
 IMPINJ MONZA2 NXP UCODE GEN2 MIRARE Ultra-light
 IMPINJ MONZA3 NXP GEN2 XL ICODE UID
 ALIEN HIGGS NXP GEN2 XM ICODE SL2
 ST MICRO GEN2 TI GEN2 Strauss TI Tag it

Memory	TID	Function	User	Access	Kill
BYTES	4	-	1024	-	-

Read range	Fixed reader (ERP 1W)		Handheld reader (ERP .5W)	
	Type	ISO 15693	ISO 14443A	ISO 15693
Min. range	-	4cm	-	1cm
Max. range	-	5cm	-	2cm

Reliability	Dust/Damp	Thermal shock	Humidity	Physical shock	TTA Cert.	Guarantee
Standard	IP65 (Gen.)	-35℃ ↔ 65℃	85℃/85%RH	Bending	12 months	
	IP68 (Max.)	1 times	72 Hrs.	7.5N@20mm φ		
Yes/No	-	Yes	Yes	Yes		

Cases	Clients	Year	Applications
1	XX Card	2007 ~	Hang on tags for public transit

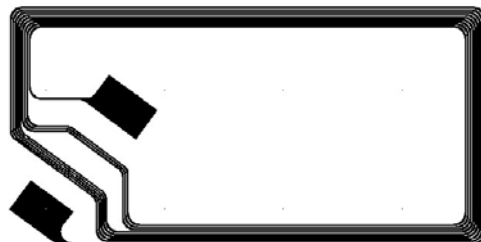
- Reference fixed reader: ALR9800 with 9610 LP antenna made by Alien Technology, US
- Reference handheld reader: V. 2007, Samsung TECHWIN

RFCH_40*20
Frequency

- UHF (US)
 UHF (EU)
 UHF (JPN)
 UHF (China)
 HF (13.56MHz)
 2.45GHz

Protocol

- EPC C1G2 – Passive
 EPC C1G2 – BAP[*]
 ISO18000-6-B
 ISO14443A
 ISO15693
 Active


L(mm)*H(mm)*T(mm)

40

20

0.3

Form factor

- Dry Inlay Wet Inlay Label Card PVC Card PET G Card RW
 On-metal tag (Gen.) On-metal tag (Encased) On-metal tag (FR4)
 Case ABS Case Polycarbonate Case Acryl Token

Chip Spec

- IMPINJ MONZA 1 NXP EPC1.19 MIFARE 1K STD
 IMPINJ MONZA2 NXP UCODE GEN2 MIRARE Ultra-light
 IMPINJ MONZA3 NXP GEN2 XL ICODE UID
 ALIEN HIGGS NXP GEN2 XM ICODE SL2
 ST MICRO GEN2 TI GEN2 Strauss TI Tag it

Memory

bits

TID

64

Function

64

User

896

Access

-

Kill

-

Read range
Fixed reader (ERP 1W)
Handheld reader (ERP .5W)

Type

ISO 15693

ISO 14443A

ISO 15693

ISO 14443A

Min. range

20cm**5cm****7cm****2cm**

Max. range

30cm**7cm****10cm****3cm**
Reliability
Dust/Damp
Thermal shock
Humidity
Physical shock
**TTA
Cert.**
Guarantee

Standard

IP65 (Gen.)

-35°C ↔ 65°C

85°C/85%RH

Bending

IP68 (Max.)

1 times**72** Hrs.

7.5N@20mm φ

Yes/No

-

Yes**Yes****Yes****12**
months
Cases

1

Clients

PXXXX

Year

2007 ~

Applications

Entry control for iron mill

- Reference fixed reader: **ALR9800 with 9610 LP antenna made by Alien Technology, US**
- Reference handheld reader: **V. 2007, Samsung TECHWIN**

RFCH_44*42



Frequency

- UHF (US)
 UHF (EU)
 UHF (JPN)
 UHF (China)
 HF (13.56MHz)
 2.45GHz

Protocol

- EPC C1G2 – Passive
 EPC C1G2 – BAP[*]
 ISO18000-6-B
 ISO14443A
 ISO15693
 Active

길이 (44mm)*폭 (42mm)*T.(0.3mm)

44

42

0.3

Form factor

- Dry Inlay Wet Inlay Label Card PVC Card PET G Card RW
 On-metal tag (Gen.) On-metal tag (Encased) On-metal tag (FR4)
 Case ABS Case Polycarbonate Case Acryl Token

Chip Spec

- IMPINJ MONZA 1 NXP EPC1.19 MIFARE 1K STD
 IMPINJ MONZA2 NXP UCODE GEN2 MIRARE Ultra-light
 IMPINJ MONZA3 NXP GEN2 XL ICODE UID
 ALIEN HIGGS NXP GEN2 XM ICODE SL2
 ST MICRO GEN2 TI GEN2 Strauss TI Tag it

Memory

bits

TID

64

Function

64

User

896

Access

-

Kill

-

Read range

Fixed reader (ERP 1W)

Handheld reader (ERP .5W)

Type

ISO 15693

ISO 14443A

ISO 15693

ISO 14443A

Min. range

30cm

-

10cm

-

Max. range

50cm

-

15cm

-

Reliability

Dust/Damp

Thermal shock

Humidity

Physical shock

TTA Cert.

Guarantee

Standard

IP65 (Gen.)

-35℃ ↔ 65℃

85℃/85%RH

Bending

IP68 (Max.)

1 times

72 Hrs.

7.5N@20mm ϕ

Yes/No

-

Yes

Yes

Yes

12
months

Cases

Clients

Year

Applications

1

College library

2008 ~

Library tags for item level books

2

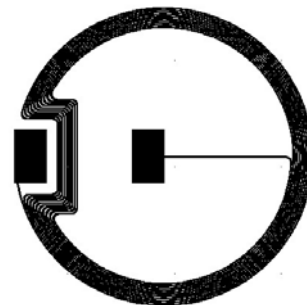
Public library

2007 ~

Library tags for item level books

- Reference fixed reader: **ALR9800 with 9610 LP antenna made by Alien Technology, US**
- Reference handheld reader: **V. 2007, Samsung TECHWIN**

RFCH_28¢



Frequency

- UHF (US)
- UHF (EU)
- UHF (JPN)
- UHF (China)
- HF (13.56MHz)
- 2.45GHz

Protocol

- EPC C1G2 – Passive
- EPC C1G2 – BAP[*]
- ISO18000-6-B
- ISO14443A
- ISO15693
- Active

L(mm)*H(mm)*T(mm)

Dia. 28

T. 0.3

Form factor

- Dry Inlay
- Wet Inlay
- Label
- Card PVC
- Card PET G
- Card RW
- On-metal tag (Gen.)
- On-metal tag (Encased)
- On-metal tag (FR4)
- Case ABS
- Case Polycarbonate
- Case Acryl
- Token

Chip Spec

- IMPINJ MONZA 1
- NXP EPC1.19
- MIFARE 1K STD
- IMPINJ MONZA2
- NXP UCODE GEN2
- MIRARE Ultra-light
- IMPINJ MONZA3
- NXP GEN2 XL
- ICODE UID
- ALIEN HIGGS
- NXP GEN2 XM
- ICODE SL2
- ST MICRO GEN2
- TI GEN2 Strauss
- TI Tag it

Memory	TID	Function	User	Access	Kill
bits	64	64	896	-	-

Read range	Fixed reader (ERP 1W)		Handheld reader (ERP .5W)	
	Type	ISO 15693	ISO 14443A	ISO 15693
Min. range	20cm	4cm	7cm	2cm
Max. range	25cm	5cm	10cm	3cm

Reliability	Dust/Damp	Thermal shock	Humidity	Physical shock	TTA Cert.	Guarantee
Standard	IP65 (Gen.)	-35°C ↔ 65°C	85°C/85%RH	Bending	12 months	
	IP68 (Max.)	1 times	72 Hrs.	7.5N@20mm φ		
Yes/No	-	Yes	Yes	Yes		

Cases	Clients	Year	Applications
1	XX Card	2007 ~	Hang on tags for public transit

- Reference fixed reader: ALR9800 with 9610 LP antenna made by Alien Technology, US
- Reference handheld reader: V. 2007, Samsung TECHWIN

RFCH_82*50


L(mm)*H(mm)*T(mm)

82

50

0.3

Frequency

- UHF (US)
 UHF (EU)
 UHF (JPN)
 UHF (China)
 HF (13.56MHz)
 2.45GHz

Protocol

- EPC C1G2 – Passive
 EPC C1G2 – BAP[*]
 ISO18000-6-B
 ISO14443A
 ISO15693
 Active

Form factor

- Dry Inlay Wet Inlay Label Card PVC Card PET G Card RW
 On-metal tag (Gen.) On-metal tag (Encased) On-metal tag (FR4)
 Case ABS Case Polycarbonate Case Acryl Token

Chip Spec

- IMPINJ MONZA 1 NXP EPC1.19 MIFARE 1K STD
 IMPINJ MONZA2 NXP UCODE GEN2 MIRARE Ultra-light
 IMPINJ MONZA3 NXP GEN2 XL ICODE UID
 ALIEN HIGGS NXP GEN2 XM ICODE SL2
 ST MICRO GEN2 TI GEN2 Strauss TI Tag it

Memory

bits

TID

64

Function

64

User

896

Access

-

Kill

-

Read range
Fixed reader (ERP 1W)
Handheld reader (ERP .5W)

Type

ISO 15693

ISO 14443A

ISO 15693

ISO 14443A

Min. range

50cm

-

10cm

-

Max. range

70cm

-

15cm

-

Reliability
Dust/Damp
Thermal shock
Humidity
Physical shock
TTA Cert.
Guarantee

Standard

IP65 (Gen.)

-35°C ↔ 65°C

85°C/85%RH

Bending

TTA Cert.

Guarantee

IP68 (Max.)

1 times

72 Hrs.

7.5N@20mm φ

TTA Cert.

Guarantee

Yes/No

-

Yes

Yes

Yes

TTA Cert.

Guarantee

12 months
Cases

1

Clients

CXXXXXXXX (US)

Year

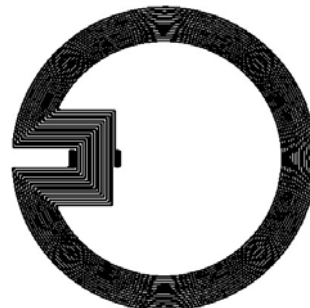
2007 ~

Applications

Library tags for item level books& apparel tags

- Reference fixed reader: **ALR9800 with 9610 LP antenna made by Alien Technology, US**
- Reference handheld reader: **V. 2007, Samsung TECHWIN**

RFCH_16¢



Frequency

- UHF (US)
- UHF (EU)
- UHF (JPN)
- UHF (China)
- HF (13.56MHz)
- 2.45GHz

Protocol

- EPC C1G2 – Passive
- EPC C1G2 – BAP[*]
- ISO18000-6-B
- ISO14443A
- ISO15693
- Active

L(mm)*H(mm)*T(mm)

Dia. 16

T. 0.3

Form factor

- Dry Inlay
- Wet Inlay
- Label
- Card PVC
- Card PET G
- Card RW
- On-metal tag (Gen.)
- On-metal tag (Encased)
- On-metal tag (FR4)
- Case ABS
- Case Polycarbonate
- Case Acryl
- Token

Chip Spec

- IMPINJ MONZA 1
- IMPINJ MONZA2
- IMPINJ MONZA3
- ALIEN HIGGS
- ST MICRO GEN2
- NXP EPC1.19
- NXP UCODE GEN2
- NXP GEN2 XL
- NXP GEN2 XM
- TI GEN2 Strauss
- MIFARE 1K STD
- MIRARE Ultra-light
- ICODE UID
- ICODE SL2
- TI Tag it

Memory

bits

TID

64

Function

64

User

896

Access

-

Kill

-

Read range

Fixed reader (ERP 1W)

Handheld reader (ERP .5W)

Type

ISO 15693

ISO 14443A

ISO 15693

ISO 14443A

Min. range

10cm

-

5cm

-

Max. range

15cm

-

8cm

-

Reliability

Dust/Damp

Thermal shock

Humidity

Physical shock

TTA Cert.

Guarantee

Standard

IP65 (Gen.)

-35°C ↔ 65°C

85°C/85%RH

Bending

IP68 (Max.)

1 times

72 Hrs.

7.5N@20mm φ

Yes/No

-

Yes
Yes
Yes
12
months

Cases

Clients

Year

Applications

1

CXXXXXXXXX (US)

2007 ~

Inserted tag into plastic cap

2

Ocean lab (NZ)

2007 ~

Tag on oyster for ocean farmers

- Reference fixed reader: **ALR9800 with 9610 LP antenna made by Alien Technology, US**
- Reference handheld reader: **V. 2007, Samsung TECHWIN**