ASSA Tag
Long Range Credential

108.3 mm

24mm

6.1mm
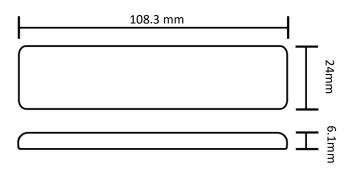
The ASSA tag is a tamper-proof, rugged, passive RFID tag enclosed in an ABS plastic casing, designed for secured and long distance identification of vehicles. The tag is pre-encoded with a unique serial number (26 bit format). The tag is tamper proof both electronically and physically, i.e. the tag memory cannot be over written by external systems as well as once pasted, on an attempt to remove, it gets damaged and permanently non-functional. The tag is highly durable & cost effective.

Compatible with IDCUBE's long range readers IDLR-06 and IDLR-12. The tag when pasted on the windshield of a vehicle, offers read range up to 5* meters with IDLR-06 and 10* meters with IDLR-12.

ASSA tag has two variants:
1. ASSAUTTPXXXS** (Tamper proof windshield tag)
2. ASSAUTNTXXXS** (Non-tamper proof windshield tag)

*Quoted read distance/performance is achieved using standard IDCUBE test methodology, details available on request; Actual read distances may vary based on installation conditions
** S= Standard IDCUBE Print; P=Plain (no printing); C=Customized Printing

KEY FEATURES

Tamper-proof, rugged, passive UHF RFID tag

Pre-encoded with a unique serial number(26 bit format)

Compatible with IDCUBE's long range readers IDLR-06 and IDLR-12

Offers read distance of up to 10 meters with IDLR-12 and 5 meters with IDLR-06

Passive tag with no battery, making it cost effective & durable

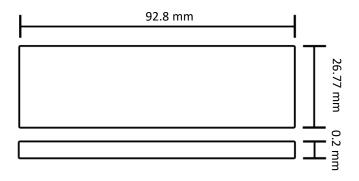Special adhesive to provide strong adhesion on vehicle windscreen surface even at high temperature

Patent pending for tamper proofing (347/ DEL/ 2009)

Protocol: EPC Class 1 Gen 2 compliant; ISO18000-6C

Memory: 96 bits

Operating Frequency: 860-960 MHz

ASSA Flex
Long Range Credential

92.8 mm

26.77 mm

0.2 mm

The ASSA flex is a tamper-proof, passive polyvinyl RFID label, designed for secured and long distance identification of vehicles. The label is pre-encoded with a unique serial number (26 bit format). The label is tamper proof both electronically and physically, i.e. the label memory cannot be over written by external systems aswell as once pasted, on an attempt to remove, it gets damaged and permanently non-functional. The label is highly durable & cost effective.

ASSA flex is compatible with IDCUBE's long range readers IDLR-06 and IDLR-12 giving a read range upto 5*meters & 10* meters respectively.

ASSA Flex is available in two variants:
1. ASSAUFTPXXXS** (Tamper proof windshield polyvinyl label)
2. ASSAUFNTXXXS** (Non tamper proof windshield polyvinyl label)

*Quoted read distance/performance is achieved using standard IDCUBE test methodology, details available on request; Actual read distances may vary based on installation conditions
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KEY FEATURES

Tamper-proof, passive UHF RFID label

Pre-encoded with a unique serial number(26 bit format)

Compatible with IDCUBE's long range readers IDLR-06 and IDLR-12

Offers read distance of up to 10 meters with IDLR -12 and 6 meters with IDLR -06

Passive label with no battery, making it cost effective & durable

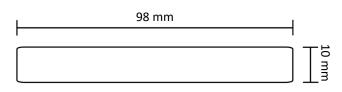Special adhesive to provide strong adhesion on vehicle windscreen surface even at high temperature

Protocol: EPC Class 1 Gen 2 compliant; ISO18000-6C

Memory: 96 bits

Operating Frequency: 860-960 MHz

ASSA Flex HL
Long Range Credential

98 mm

10 mm

KEY FEATURES

ASSA Flex HL is polyvinyl tamper proof RFID label for secured identification of vehicles. The label has been designed specifically for vehicle **headlights**. It is a passive label with no battery. It comes pre-programmed with 26 bit format unique IDs. The label is tamper proof both electronically and physically, i.e. the label memory cannot be over written by external systems as well as once pasted, on an attempt to remove, it gets damaged and permanently non-functional. The label is highly durable & cost effective.

ASSA HTP is compatible with IDCUBE's long range readers IDLR-06 and IDLR-12 giving a read range of 5* meters & 10* meters respectively. Sleek and light weight design makes ASSA HTP easy to use.

ASSA Flex Headlight is available in following variants:
1. ASSAUFTPHXXXS** (Tamper proof Headlight polyvinyl label)

*Quoted read distance/performance is achieved using standard IDCUBE test methodology, details available on request; Actual read distances may vary based on installation conditions
** S= Standard IDCUBE Print; P=Plain (no printing); C=Customized Printing

Tamper-proof passive UHF RFID label

Pre-encoded with a unique serial number (standard 26 bit format)

Compatible with IDCUBE's long range readers IDLR-06 and IDLR-12

Offers read distance of up to 10 meters with IDLR -12 and 5 meters with IDLR -06

Passive card with no requirement of battery, making it cost effective & durable

Special adhesive to provide strong adhesion on vehicle headlight surface even at high temperature

Protocol: EPC Class 1 Gen 2 compliant; ISO18000-6C

Memory: 96 bits

Operating Frequency: 860-960 MHz
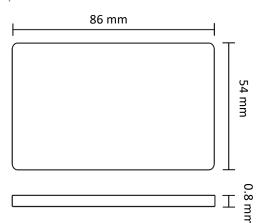
ASSA PVC
Long Range Credential

ASSA PVC is a UHF based RFID PVC card. It is compatible with IDCUBE's long range readers, IDLR-06 and IDLR-12, giving a read range of 5*meters & 10* meters respectively. ASSA PVC card is recommended to be used as a portable smart card for vehicle owners and drivers for vehicle access management. It is pre-encoded with a unique serial number (26 bit format). The smart card is tamper proof electronically, i.e. the memory cannot be over written by external systems

It comes in two variants:
1. ASSAUCNTXXXS** (RFID UHF PVC Card)
2. ASSAUKNTXXXS ** (RFID UHF PVC Keychain Card)

*Quoted read distance/performance is achieved using standard IDCUBE test methodology, details available on request; Actual read distances may vary based on installation conditions
** S= Standard IDCUBE Print; P=Plain (no printing); C=Customized Printing
.

KEY FEATURES

Passive RFID UHF Smart Card

Portable UHF credential with ISO 7810 (ID-1) dimensions

Compatible with IDCUBE's long range readers IDLR-06 and IDLR-12
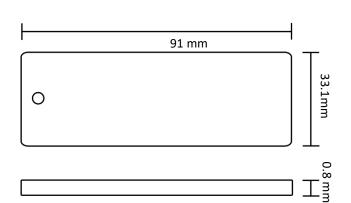
Read range of 5 meters with IDLR-06 and 10 meters with IDLR-12

Pre-encoded with a unique serial number (26 bit format)

Passive card with no requirement of battery, making it cost effective & durable
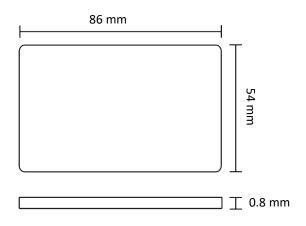
Protocol: EPC Class 1 Gen 2 compliant; ISO18000-6C

Memory: 800 bits

Operating Frequency: 860-960 MHz

86 mm

54 mm

0.8 mm

91 mm

33.1mm

0.8 mm

ASSA PVC DUAL
Long Range Credential

86 mm

54 mm

0.8 mm

idcube ASSA Dual

57400

KEY FEATURES

ASSA Dual is an smart card which operates on two RFID technologies, i.e. UHF and HF. It is compatible with both UHF Readers and Mifare/DESFire Readers. The credential is useful in scenarios where the user is looking for a single access card for both door and vehicle access control.

IDCUBE's UHF long range readers, IDLR-12 and IDLR-06 can read the ASSA Dual PVC card from a distance of 6* meters & 3* meters respectively. Mifare/DESFire readers can read it from a distance of approx. 5* centimeters.

ASSA Dual PVC card is pre-encoded with a unique serial number (26 bit format) for UHF.

It comes in four variants:
1. ASSADCNTMF1S** (ASSA PVC Dual Mifare Classic 1K)
2. ASSADCNTMF4S** (ASSA PVC Dual Mifare Classic 4K)
3. ASSADCNTDF4S** (ASSAPVC Dual DESFire EV1 4K)
4. ASSADCNTDF8S** (ASSA PVC Dual DESFire EV1 8K)

*Quoted read distance/performance is achieved using standard IDCUBE test methodology, details available on request; Actual read distances may vary based on installation conditions
** S= Standard IDCUBE Print; P=Plain (no printing); C=Customized Printing

ASSA Dual Smart Card operates on two technologies UHF & HF
Pre-encoded with a unique serial number (26 bit format) for UHF
Portable UHF-HF credential with ISO 7810 (ID-1) dimensions
Compatible with IDCUBE's long range readers IDLR-06 and IDLR-12
Read distance of up to 3 meters with IDLR -06 and 6 meters with IDLR -12
Read distance of 5 centimeters with Mifare/DESFire readers
Protocol: EPC Class 1 Gen 2 compliant; ISO18000-6C (UHF) & ISO 14443 A 1-4
Passive card with no battery, making it cost effective & durable
Memory: 800 bits (UHF) & option of 2kB, 4kB & 8kB (HF)
Operating Frequency: 860-960 MHz (UHF) & 13.56 MHz(HF)

TECHNICAL SPECIFICATIONS

Characteristics	ASSA Tag	ASSA Flex	ASSA Flex HL	ASSA PVC	ASSA PVC Dual
Dimensions (mm) (L x B x H)	108 x 24 x 6.1	92.8 x 26.77 x 0.2	98 x 10.0 x 0.2	• 86 x 54 x 0.8 (ASSA PVC Card) • 91 X 33.1 X 0.8 (ASSA Keychain Card)	86 x 54 x 0.8
Material	ABS plastic	Polyvinyl Label	Polyvinyl Label	60%PVC, 40%PET	60%PVC, 40%PET
Operating Temperature	-40°C to +85°C	-40°C to +85°C	-40°C to +85°C	-35°C to +50°C	-35°C to +50°C
Color	Grey	Glossy White	Glossy White	White (printable)	White(printable)
Integrated Circuit	Impinj Monza R6	Impinj Monza R6	Alien Higgs-3	Alien Higgs-3	• NXP Chip (Mifare/DESFire EV1) • Alien Higgs-3 (UHF)
Memory	96 bits	96 bits	800 bits	800 bits	• 800 bits (UHF) • 2KB/4KB/8KB
Operating Frequency	UHF 860-960 MHz	UHF 860-960 MHz	UHF 860-960 MHz	UHF 860-960 MHz	• UHF 860-960 MHz • 13.56 MHz
Variants**	• ASSAUTTPXXXS - (Tamper proof tag) • ASSAUTNTXXXS - (Non-tamper proof tag)	• ASSAUFTPXXXS (Tamper proof polyvinyl label) • ASSAUFNTXXXS (Non tamper proof polyvinyl label)	ASSAUFTPHXXXS (Tamper proof Headlight polyvinyl label)	• ASSAUCNTXXXS (RFID UHF PVC Card) • ASSAUKNTXXXS (RFID UHF PVC Keychain Card) -	• ASSADCNTMF1S (ASSA PVC Dual Mifare Classic 1K) • ASSADCNTMF4S (ASSA PVC Dual Mifare Classic 4K) • ASSADCNTDF4S (ASSAPVC Dual DESFire EV1 4K) • ASSADCNTDF8S (ASSA PVC Dual DESFire EV1 8K)
Protocol	EPC Class 1 Gen 2 ISO 18000-6C	EPC Class 1 Gen 2 ISO 18000-6C	EPC Class 1 Gen 2 ISO 18000-6C	EPC Class 1 Gen 2 ISO 18000-6C	• EPC Class 1 Gen 2 ISO 18000-6C • ISO/IEC 14443 - Type A (Mifare/DESFire EV1)
Reading Range*	Up to 10 m with IDLR-12 and 5 m with IDLR-06	Up to 10 m with IDLR-12 and 5 m with IDLR-06	Up to 10 m with IDLR-12 and 5 m with IDLR-06	Up to 10 m with IDLR-12 and 5 m with IDLR-06	• Up to 8 m with IDLR-12 & 4 m with IDLR-06

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