

A close-up photograph of a hand holding a printed Axess card. The card is being fed into a grey printer. The card features a colorful abstract design on the left and text on the right. The printer has 'AXESS' printed on its side. The background is blurred, showing another printer.

# Axess

# CARDS

 ENGLISH

**AXESS**

# Axess CARDS

**As small as a business card, and as smart as a computer**

The wide range of Axess **CARDS** is the perfect solution for your unique requirements. From choice of material to desired service life and storage capacity, our barcode and RFID cards can be individually selected and customized for any installation. Even though all our cards have different features and thus have specific applications, they share some very special

things in common: they all meet the highest quality standards and are manufactured in our own factory in Innsbruck. Our tickets are all "made in Austria". Thanks to the high-quality materials and sturdy construction of the cards, even extreme temperature fluctuations from -20 °C to 50 °C are no problem. Before leaving the factory, each individual ticket is sub-

jected to strict quality controls (ISO standard) and electronically tested. In order to give cards an individual touch and customize them perfectly for companies, they can be printed in 4-color offset or digital printing on request. This service is even possible for small customer-specific runs of 50 units or more.



Für Tickets Bildschirm berühren



# Axess BARCODE CARD

## High quality barcode ticket made from paperboard

The Axess **BARCODE CARD** has been specifically designed for single access and is therefore ideal for accessing swimming pools, trade fairs and leisure or theme parks. In a direct thermal

printing process, the Axess **SMART PRINTER 600** prints the tickets with the relevant validity information on the front side. If required, the blanks can also be provided with a perfora-

tion to attach them to strips. These inexpensive card blanks are printed using a thermal direct printing process and do not require any further consumables.

## Technical data

### Basics

Operating temperature	- 20 °C bis + 50 °C
Weather resistance	Sunshine, Suncream
Material	Paperboard

### Dimensions

Ticket format	85.6 x 54 mm
Thickness	0.3 mm
Corner radius	3 mm

### Graphic design

Layout	88.6 mm x 57 mm
Printing process	Offset printing

### Authorization imprint

Surface	Thermo foil
Print area	34 x 44 mm
Imprint	Direct thermal printing, one-time

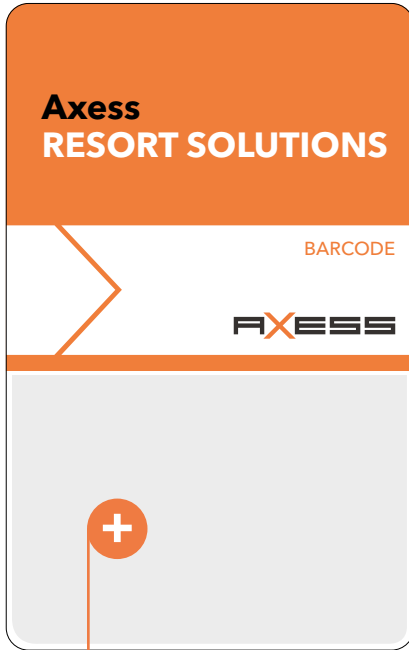
### Optional

Perforation	
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## Features

- › Single imprint in direct thermal printing front side.
- › Typical use: single use
- › Layout: 4-color UV offset printing, optional with protective lacquer
- › Barcode readable by scanner
- › Ticket material: paperboard; contains no PVC or bisphenol

Front side



Thermal print area

Reverse side





# Axess ONEWAY CARD

## The professional ticket for one-time access

The Axess **ONEWAY CARD** is a contactless electronic ticket designed for single usage. The integrated RFID electronic module (chip & antenna) is used to store authorization data. A variety of ticket variations such as sea-

son tickets, points cards, event tickets, day tickets etc. can be programmed. Depending on the RFID reader's chip type and antenna geometry, the cards can be read at a long range of between 40 and 45 cm or from short

range at a distance of up to 10 cm, thus impressing with their functionality. The Axess **ONEWAY CARD** is available in plastic. This chip card has particularly proved its value amongst our customers as a daily ticket.

## Technical data

### Basics

Operating temperature	- 20 °C bis + 50 °C
Weather resistance	Sunshine, Suncream, Water resistant
Material	Plastic

### Dimensions

Ticket format	85.6 x 54 mm
Thickness	0.5 mm
Corner radius	3 mm

### Graphic design

Layout	88.6 mm x 57 mm
Printing process	Offset printing

### Authorization imprint

Surface	Thermo foil
Print area	34 x 44 mm
Imprint	direct thermal printers, one-time

### Optional

Perforation	
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### RFID specification

Electronic coding	One-time
ISO 15693	NXP SLIX2, NXP SLIS
ISO 14443	On request
UHF	NXP, UCODE 8

Read/write distance	Up to 45 cm for long-range antennas, up to 10 cm for short-range antennas
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RFID technology	HF: 13,56 MHz: ISO 15693, ISO 14443, UHF: 860 - 960 MHz; ISO 18000-6C; Inlay embedded in card
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## Features

- › Single imprint in direct thermal printing
- › Typical use: daily or weekly ticket
- › One-time electronic data storage
- › Layout in 4-color UV offset printing
- › Ticket material: plastic
- › Robust under mechanical stress
- › Plastic ticket is temperature resistant and waterproof
- › Data storage segmented according to customer requirements; ISO 15693 RFID chip
- › Contactless data reading
- › Optional ISO 14443 RFID chip
- › The chip card works completely passively
- › Optional: perforation

# Axess ONEWAY CARD ORGANIC

## The environmentally friendly version of the classic

Environmental protection is close to all our hearts. With our new Axess **ONEWAY CARD ORGANIC**, you can make an important contribution to the environment while enjoying the full

functionality of Axess **CARDS**. As usual, a wide range of ticket variants such as hourly, daily or multi-day tickets, debitable value cards or event tickets can be loaded. The Axess

**ONEWAY CARD ORGANIC** is made almost exclusively of paper. It can therefore be disposed of in the waste paper recycling bin.

## Technical Data

### Basics

Operating temperature	- 20 °C to + 50 °C
Weather resistance	Sunlight, sunscreen
Material	Paperboard

### Dimensions

Ticket format	85.6 x 54 mm
Thickness	0.6 mm
Corner radius	3 mm

### Graphic design

Layout	88.6 mm x 57 mm
Printing process	Offset printing

### Authorization imprint

Surface	Front side with thermal coating
Print area	34 x 44 mm
Imprint	Direct thermal printing, one-time

### Optional

Perforation	
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### RFID specification

Electronic coding	One-time
ISO 15693	NXP SLIX2, NXP SLIS
ISO 14443	On request
UHF	NXP UCODE 8
Read / write distance	Up to 45 cm for long-range antennas, up to 10 cm for short-range antennas
RFID technology	HF: 13.56 MHz: ISO 15693, ISO 14443, UHF: 860-960 MHz; ISO 18000-6C; Inlay embedded in card

## Features

- › Ecologically outstanding as it is mainly made of paperboard and paper
- › Reliable when used under normal conditions, such as temperature or direct sunlight
- › Single imprint in direct thermal printing
- › Layout design in 4-color UV offset printing
- › Material is reusable: the card can be recycled after use
- › One-time data storage; contactless reading of data
- › Card reading with ISO 15693 chip for long ranges up to 45 cm or ISO 14443 chip for short ranges up to 10 cm

# Axess RIGID Card

## The ticket for daily and weekly tickets

The Axess **RIGID CARD** is a further development of the Axess **ONEWAY CARD**. It is ideal for short-term tickets such as daily and weekly tickets. An integrated chip enables all authoriza-

tion data to be stored on the card. It is particularly robust and sturdy due to an innovative foil type, without being thicker than the usual Axess **ONEWAY CARDS**. With the WTP number prin-

ted on it, the card can be reloaded conveniently from home via online portals and online shops.

### Technical data

#### Basics

Operating temperature	- 20 °C bis + 50 °C
Weather resistance	Sunshine, Suncream, Water resistant
Material	Plastic

#### Dimensions

Ticket format	85.6 x 54 mm
Thickness	0.5 mm
Corner radius	3 mm

#### Graphic design

Layout	88.6 mm x 57 mm
Printing process	Offset printing

#### Authorization imprint

Surface	Thermo foil
Print area	34 x 44 mm,
Imprint	Direct thermal printing, one-time

#### Optional

Perforation	
UV ink jet printing	WTP number, QR code

#### RFID specification

Electronic coding	Repeated
ISO 15693	NXP SLIX2, NXP SLIS
ISO 14443	On request
UHF	UCODE 8

Read/write distance	Up to 45 cm for long-range antennas, up to 10 cm for short-range antennas
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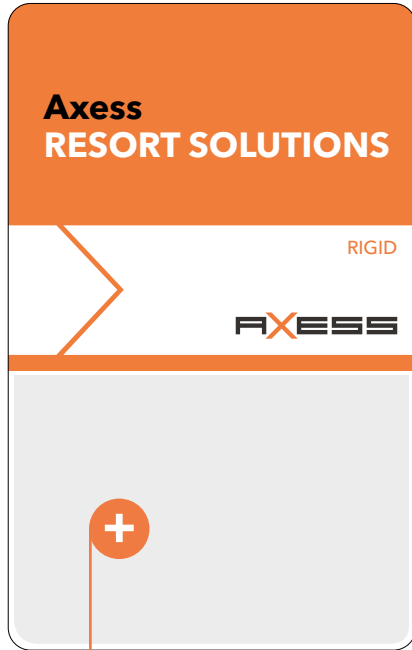
RFID technology	HF: 13,56 MHz: ISO 15693, ISO 14443, UHF: 860 - 960 MHz; ISO 18000-6C; Inlay embedded in card
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### Features

- › Single imprint in direct thermal printing
- › Repeated electronic data storage possible
- › Typical use: monthly ticket
- › Data storage segmented according to customer requirements
- › Layout in 4-color UV offset printing
- › High quality 0.5 mm plastic
- › Robust under mechanical stress and changing temperatures - waterproof
- › Contactless data reading
- › The chip card works completely passively
- › WTP recharging function

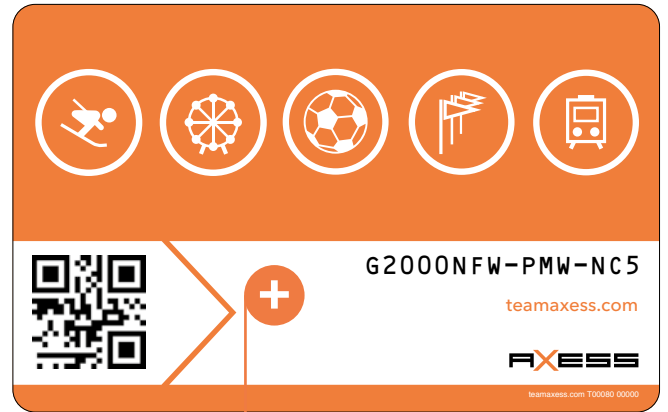


Front side



Thermal print area

Reverse side



Custom imprint



# Axess LITE CARD

## The perfect weekly ticket and season ticket

Would you like user-friendly season tickets for your guests? Axess has the optimal solution. The Axess **LITE CARD** is made of plastic and is a contactless, electronic one-way ticket. The card can be coded several times, with the embedded RFID chip

being used to store authorization data. Depending on the RFID reader's chip type and antenna geometry, the cards can be read at a long range of between 40 and 45 cm or from short range at a distance of up to 10 cm. A multitude of ticket variations such as

time cards, points cards, event tickets, daily and season tickets, and tickets for online bookings etc. can be programmed. It is also possible for a QR code to be printed onto the ticket, for instance.

## Technical data

### Basics

Operating temperature	- 20 °C bis + 50 °C
Weather resistance	Sunshine, Suncream, Water resistant
Material	Plastic

### Dimensions

Ticket format	85.6 x 54 mm
Thickness	0.7 mm
Corner radius	3 mm

### Graphic design

Layout	88.6 mm x 57 mm
Printing process	Offset printing

### Authorization imprint

Surface	Thermo foil
Print area	34 x 44 mm, optional 13 x 83 (Stripe)
Imprint	Direct thermal printing, one-time

### Optional

Perforation	
UV ink jet printing	WTP number, QR code

### RFID specification

Electronic coding	Repeated
ISO 15693	NXP SLIX2, NXP SLIS
ISO 14443	On request
UHF	UCODE 8

Read/write distance	Up to 45 cm for long-range antennas, Up to 10 cm for short-range antennas
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RFID technology	HF: 13,56 MHz: ISO 15693, ISO 14443, UHF: 860 - 960 MHz; ISO 18000-6C; Inlay embedded in card
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## Features

- › Single imprint in direct thermal printing
- › Repeated electronic data storage possible
- › Typical use: up to and including season ticket
- › Data storage segmented according to customer requirements
- › Layout in 4-color UV offset printing; optional customer-specific QR code
- › Robust under mechanical stress and changing temperatures - waterproof
- › Contactless data reading
- › The chip card works completely passively
- › WTP recharging function

# Axess LITE CARD ORGANIC

## Recyclable weekly and season tickets

With our new Axess **LITE CARD ORGANIC** you can make an important contribution to the environment while enjoying the full functionality of the classic Axess **LITE CARD**. As usual,

several ticket variations such as time card, points card, event ticket, daily and season card can be programmed. The card can be encoded several times, and the embedded RFID chip is

used to store authorization data. The Axess **LITE CARD ORGANIC** is made almost exclusively of paper. It can therefore be disposed of in the waste paper recycling bin.

## Technical Data

### Basics

Operating temperature	- 20 °C to + 50 °C
Weather resistance	Sunlight, suncream
Material	Paperboard

### Dimensions

Ticket format	85.6 x 54 mm
Thickness	0.8 mm
Corner radius	3 mm

### Graphic design

Layout	88.6 mm x 57 mm
Printing process	Offset printing

### Authorization imprint

Surface	Front side with thermal coating
Print area	34 x 44 mm on front side
Imprint	Direct thermal printing, one-time

### Optional

Perforation	
UV ink jet printing	Reverse side individually printable with UV inkjet print, e.g., WTP number, QR code, customized number.

### RFID specification

Electronic coding	Repeated
ISO 15693	NXP SLIX2, NXP SLIS
ISO 14443	On request
UHF	NXP UCODE 8
Read / write distance	Up to 45 cm for long-range antennas, up to 10 cm for short-range antennas
RFID technology	HF: 13.56 MHz: ISO 15693, ISO 14443, UHF: 860-960 MHz; ISO 18000-6C; Inlay embedded in card

## Features

- › Ecologically outstanding, as it is mainly made of paperboard and paper
- › Reliable when used under normal conditions, such as temperature or direct sunlight
- › Single imprint in direct thermal printing
- › Layout design in 4-color UV offset printing
- › Material is reusable: the card can be recycled after use
- › Multiple electronic data storage possible; contactless data reading
- › Data storage segmented according to customer specifications; ISO 15693 RFID chip, optional ISO 14443 RFID chip

# Axess SMART CARD TRW FULL, PART & STRIPE

## The all-rounders among authorization cards

The **SMART CARDS TRW FULL, PART & STRIPE** are high quality cards with integrated RFID chip for contactless data transfer. These smart cards store the owner's personal data as well as a number of authorizations. Selec-

ted information is printed on the full surface ThermoReWrite (TRW) foil on the front side. Since the cards can be written on optically and electronically multiple times, they can be used for several years. The material's high

resistance to heat and cold facilitates a long service life. The cards all have the same features but have a different printable area. All Smart Cards TRW are easily compatible with existing third-party systems.

### Technical data

#### Basics

Operating temperature	- 20 °C bis + 50 °C
Weather resistance	Sunshine, Suncream, Water resistant
Material	Plastic

#### Dimensions

Ticket format	85,6 x 54 mm
Thickness	0,9 mm
Corner radius	3 mm

#### Graphic design

Layout	88.6 mm x 57 mm
Printing process	Offset printing, Digital printing

#### Authorization imprint

Surface	Thermo ReWrite foil
Print area	Part 44 x 30 mm, Full 44 x 84 mm, Stripe 13 x 83 mm
Imprint	Direct thermal printing, multiple times

#### Optional

Perforation	
UV ink jet printing	WTP number, QR code
Signature field	

#### RFID specification

Electronic coding	Repeated
ISO 15693	NXP SLIX2, NXP SLIS, TI TMS37712
ISO 14443	On request
UHF	UCODE 8
Read/write distance	Up to 45 cm for long-range antennas, Up to 10 cm for short-range antennas.
RFID technology	HF: 13,56 MHz: ISO 15693, ISO 14443, UHF: 860 - 960 MHz; ISO 18000-6C; Inlay embedded in card

### Features

- › Imprints in the Thermo ReWrite process can be deleted and reprinted multiple times
- › Typical use: season passes; cards with a service life of several years
- › Data storage segmented according to customer specifications; ticket and personal data can be stored for up to 5 authorizations
- › All cards are programmable
- › Layout in 4-color UV offset printing
- › Robust under mechanical stress, direct sunlight, humidity and perspiration
- › The chip card works completely passively
- › WTP recharging function

Front side **TRW PART**



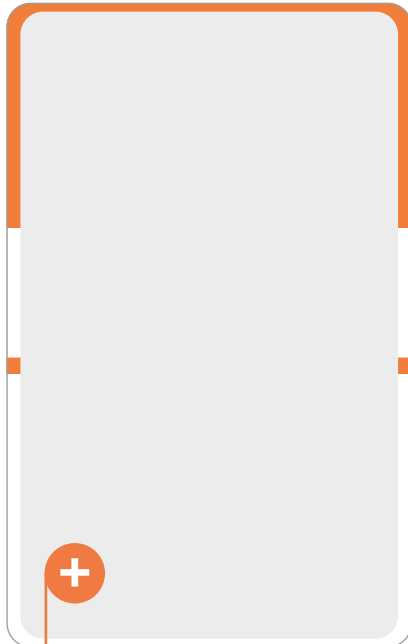
**TRW PART printable area:**  
Front side 44 x 30 mm

Front side **TRW STRIPE**



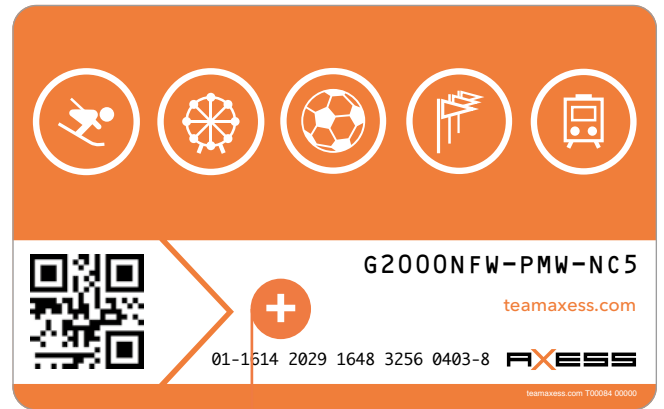
**TRW STRIPE printable area:**  
Stripe on the front side:  
13 x 83 mm

Front side **TRW FULL**



**TRW FULL thermal print area:**  
Front side 44 x 84 mm

Reverse side



**Custom imprint**

# Axess NATURE CARD

## The sustainable and environmentally friendly solution

See and feel natural materials and enjoy the full functionality of Axess **CARDS**. With the new Axess **NATURE CARD**, you can make an important contribution to the environment and

show it. With modern smartcard technology inside it, a wide range of ticket variants such as multi-day, weekly or season tickets, debit value cards, or event tickets can be loaded. The

Axess **NATURE CARD** consists almost exclusively of paper and decorative natural materials on the reverse side. It can therefore be placed in the waste paper recycling bin.

## Technical Data

### Basics

Operating temperature	- 20 °C to + 50 °C
Weather resistance	Sunlight, Suncream
Material	Paperboard

### Dimensions

Ticket format	85.6 x 54 mm
Thickness	1 mm
Corner radius	3 mm

### Graphic design

Layout	88.6 mm x 57 mm
Printing process	Offset printing

### Authorization imprint

Surface	Thermo foil
Print area	34 x 44 mm
Imprint	Direct thermal printing, one-time, reverse side is not printable

### Optional

Perforation	
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### RFID specification

Electronic coding	One-time
ISO 15693	NXP, SLIS; SLIX2
ISO 14443	On request
UHF	NXP UCODE 8
Read / write distance	Up to 45 cm for long-range antennas, up to 10 cm for short-range antennas
RFID technology	HF: 13.56 MHz: ISO 15693, ISO 14443, UHF: 860-960 MHz; ISO 18000-6C; Inlay embedded in card

## Features

- › Ecologically outstanding, as it is mainly made of paperboard and paper
- › Decorative natural materials convey a pleasing feel at the same time; design choices: hay, moss or flowers
- › Imprinted on the front; direct thermal printing, layout design in 4-color UV offset printing
- › Material is reusable: the card can therefore be recycled after use
- › Multiple electronic data storage possible; contactless data reading
- › Data storage segmented according to customer specifications; ISO 15693 RFID chip, optional ISO 14443 RFID chip
- › Reliable under normal conditions, temperature or direct sunlight



Front side



Thermal print area

Reverse side





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# Axess

# CARDS

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