

# Smart Card Readers

NORTECH OFFERS A CHOICE OF ROBUST AND ATTRACTIVE SMART CARD READERS FOR USE WITH A RANGE OF SMART CARD TECHNOLOGIES INCLUDING MIFARE AND LEGIC AS WELL AS SUPPORT FOR iCLASS SERIAL NUMBER.

THERE ARE VERSIONS THAT INCLUDE A KEYPAD FOR COMBINING PIN CODES WITH PERSONAL ID CARDS TO INCREASE SECURITY.

THESE READERS CAN OUTPUT DATA IN WIEGAND, CLOCK & DATA OR SERIAL DATA FORMATS, MAKING IT SIMPLE TO UPGRADE SITES TO PROXIMITY USING EXISTING WIRING.



## ACCESS 7C & 8C SMART CARD READERS

### Common Features

- Vandal resistant design
- Indoor and outdoor use
- Attractive, compact design
- Tri-colour LED indicator
- Keypad versions available
- Output data in Weigand, Clock & Data or serial data formats
- Optional choice of colours and finishes

### Additional Features - 7c/7c PIN

- Mult-technology reader

### Additional Features - 8c/8c PIN

- Reads sector specific Mifare data

### Additional Features - 7c PIN/8c PIN

- Improved security with PIN code identification combined with ID card
- EMFi foil technology

### Applications

- Building access control
- Personnel identification
- Car parking
- Physically challenged access applications



Choice of colours and finishes



**NORTECH**  
CONTROL SYSTEMS

# TECHNICAL SPECIFICATIONS

Access 7c	
Voltage:	24VDC (+10V to +30V)
Current consumption:	100mA max.
Interfaces:	Wiegand 24-66bit RS232 Clock and Data RS422
Housing material:	Plastic
Dimensions (mm):	110 x 43 x 24 (HxWxD)
Operating temperature:	-40 to +55 °C
Storage temperature:	-40 to +55 °C
Protection class:	IP67
Cable:	LIYCY 3m
Led:	Tricolour
Buzzer:	Yes
Carrier frequency:	13.56 MHz
Field strength:	According to EN300330
EMC:	Meets CE requirements

Access 8c	
Voltage:	24VDC (10V to 30V)
Current consumption:	130mA Max.
Interfaces:	Wiegand RS232 Clock and data
Data length:	adjustable
Housing material:	Plastic
Dimensions(mm):	110 x 43 x 24 (HxWxD)
Operating temperature:	-40 to +55 °C
Storage temperature:	-40 to +55 °C
Protection class	IP67
Cable:	LIYCY 3m
Led	Tricolour
Buzzer control:	Cable
Carrier frequency:	13.56 MHz
Field strength:	According to EN300330
EMC:	Meets CE requirements

Access 7c PIN	
Voltage:	24VDC (+10,8V to +30V)
Current consumption:	100mA max.
Interfaces:	Wiegand 24-66bit RS232 Clock and Data
Housing material:	Plastic
Dimensions (mm):	138 x 44 x 24 (HxWxD)
Operating temperature:	-40 to +55 °C
Storage temperature:	-40 to +55 °C
Protection class:	IP47
Cable:	LIYCY 3m
Led:	Tricolour
Buzzer:	Yes
Carrier frequency:	13.56 MHz
Field strength:	According to EN300330
EMC:	Meets CE requirements

Access 8c PIN	
Voltage:	24V (+10V to +30V)
Current consumption:	130mA max.
Interfaces:	Wiegand RS232 Clock and Data
Data length:	Adjustable
Housing material:	Plastic
Dimensions (mm):	138 x 44 x 24(HxWxD)
Operating temperature:	-40 to +55 °C
Storage temperature:	-40 to +55 °C
Protection class:	IP47
Cable LIYCY:	3m
Led:	Tricolour
Buzzer control:	Cable
Carrier frequency:	13.56 MHz
Field strength:	According to EN300330
EMC:	Meets CE requirements

Ordering Information	
Access 7c	Multi-technology smart card reader.
Access 7c PIN	As Access 7c with built in keypad
*Access 8c	Mifare sector specific smart card reader
*Access 8c PIN	As Access 8c with built in keypad

\*Sector information and relevant encryption key (plus sample cards) must be supplied with orders for these models.

## Supplied By:

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