BOSCH

ARCW33APH5B201A Card reader, OSDP, standard
STid Architect

RS485

- ▶ 13.56 MHz proximity compatible with access controllers with RS485 interface
- ▶ IP65 rated for indoor and outdoor use
- ▶ Supports MIFARE DESFire EV1 and EV3 (Bosch coded), MIFARE Classic (CSN) and MIFARE DESFire EV1, EV2 and EV3 (CSN)
- ▶ OSDP V2 Secure Channel support
- ▶ Compatible with AMS software (AMS 5.2 and above) and with the OSDP AMC2 controllers

The STid reader has three different form factors: it is pre-configured and programmed, ready to use and available in black color. It can be surface-mounted and an optional mounting box can be used.
This reader is suitable for the US Gang Box, and it complies with the European standard as well.
To provide a wide range of solutions, the reader is fully compatible with the Bosch Access management portfolio, including not only the Management Software Systems (Access Management System - AMS - and Building Integration System - BIS), the Access Modular Controller (AMC2), but also the entire MIFARE credential portfolio.
The STid reader is very simple to use, and provides clear feedback to the user during operation, due to the LED and beeper.
Because the reader is IP65 and IK10 rated, it is optimally suited for outdoor environments, and provides the highest level of resistance against vandalism.

Installation/configuration notes

The terminal interface of the reader is so easy to install. A variety of card data formats are supported based on the card technology, including 32bit and 56bit formats. Due to the integrated audio, the cardholder can very easily distinguish between access granted and access denied.

Compatibility
The configuration card (CTN: ARA-OSDP-ARCBC) enables STid OSDP readers to read the Bosch coded MIFARE DESFire credentials. These readers can be used with AMS 5.2 and above, and with the OSDP AMC2 controllers.

Parts included

Quantity	Component
1	Reader module
1	Installation note
2	Screws
1	Locking bar
1	Condenser
1	Resistor

Technical specifications

Mechanical

Dimensions (H x W x D) (mm)	106.64 mm x 80 mm x 25.70 mm
Dimensions (H x W x D) (in)	4.21 in x 3.15 in x 1.02 in
Color	Black
Material	Plastic
Mounting type	Surface-mounted

Weight (g)	122 g
Weight (lb)	0.2680 lb

Environmental

Operating temperature (℃)	-30 ℃ – 70 ℃
Operating temperature (℉)	-22 ℉ – 158 ℉
Usage	Indoor; Outdoor
IP rating	IP65
Impact protection	IK10

Electrical

Operating voltage (VDC)	7 VDC – 28 VDC

Operation

Audible indication	Yes
Credential type	Cards/keyfobs/tokens
Keypad	No
Optical indication	LED
Software compatibility	Building Integration System; Access Management System
Wireless transmission frequency	13.56 MHz
Reading format	ISO14443A CSN 32 bit; ISO14443A CSN 56 bit; MIFARE DESFire EV2; MIFARE DESFire EV1; MIFARE Classic; MIFARE DESFire EV3
Read range (cm)	0 cm – 8 cm
Read range (in)	0 in – 3.15 in

Connectivity

Reader interfaces	RS485

System integration

Protocols / standards	OSDP

Ordering information

ARCW33APH5B201A Card reader, OSDP, standard
Standard OSDP reader for MIFARE Classic, MIFARE EV1, EV2 and EV3, black, IP65 rated for indoor and outdoor.
Order number **ARCW33APH5B201A | F.01U.410.590**

Accessories

ARA-OSDP-ARCBC Configuration card set, OSDP, BC, ARC
Set of 8 configuration cards for STid OSDP readers that allow to read Bosch-coded MIFARE DESFire credentials.
Order number **ARA-OSDP-ARCBC | F.01U.419.779**

KITBCBOSCH20 Address config card set for ARC OSDP
Set of eight cards for the configuration of the reader address 1 to 8.
Order number **KITBCBOSCH20 | F.01U.412.888**

KIT-SPACER-ARC-NO Wallmount box, ARC, black, 5pcs
Wallmount box for the standard STid readers with and without keypad, black.
Order number **KIT-SPACER-ARC-NO | F.01U.410.592**