

DAC-MTCR-001

Multi-tech Card Reader

Product Description

Delta smart reader with Multi-Tech technology provides a user friendly and robust security Access Control usage; with a smart design that suitable for different types of installation environment which can easily match different design theme decorations with easy installation, high quality material is use to ensure the reliability and long-term performance, ultra slim design with varies color for selection.

With special encrypted data output which works together with Delta Gateway or Delta multi-channel combiner can ensure the data cannot be decoded by external device, this can solve the Wiegand signal transmission problem. The embedded Bluetooth as a data transmission path can read the encrypted virtual credential number from Android system and iOS system also can be built in the same reader as an option.



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Key Features

- Waterproof IP67 with tamper
- Bluetooth and Contactless Dual Technology Reader
- tamper protection, requires special tool to dismantle
- Supports 13.56 MHz ISO 14443 A, B & ISO15693, Bluetooth 4.0
- Red / Green / Blue or mixed color LED bar for visual notification
- User defined reader's access granted and access denied LED & Buzzer ON / OFF times and interval
- Wiegand W26 Bit / W34 Bit format selectable



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Features and specification are subject to change

ACCESS CONTROL

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Specification

Model	DAC-MTCR-001
Card number output	32 ~ 64 bits CSN, HID card number, 32 bits CSN, 32 ~ 56 bits CSN / Sector
Item No. (RF / RF+BLE)	6311 / 63T1, 6312 / 63T2, 6313 / 63T3, 6314 / 63T4
Card Technology	SONY Felica CSN, Mifare Plus S/X, Mifare DESFire EV1, LEGIC Advant
Card number output	32 ~ 64 bits CSN, 32 ~ 56 bits CSN / Sector, 32 ~ 56 bits CSN / File, 32 ~ 64 bits CSN / Sector
Key Authentication	Custom 128 bits diversify key
Card Data Security	Max. 64 bits card number mixed with original CSN, custom AES 128 bits key data encryption, CRC16
Reader output	Wiegand output Max. 64 bits card number mixed with original CSN, custom AES 128 bits key data encryption, CRC16
Typical Read Range	13.56MHz : 4cm+, Bluetooth Technology : 1M Typical read range achieved in air; different types of metal will cause some degradation Use spacers to space product off metal and improve read range if required.
Reader cable	10 wires. Power, Ground, D0, D1, ACK, Buzzer, hold, RS485(A), RS485(B), spare
Mounting	Wall Switch Size; designed to mount and cover single gang switch boxes primarily used in Britain and associate counties
Visual indicator	LED bar in RED / Green / Blue color, user defined ON / OFF time interval
Audio indicator	Internal buzzer, user defined beep sound ON / OFF time interval (ms)
Color	Black, Dark Grey, Light Grey or White
Dimension (visual)	8.5cm x 8.5cm x 0.8cm
Product weight	Approx. 350g
Operating Voltage	12VDC
Operating Current	350mA
Operating Temperature	-20°C - 60°C
Operating Humidity	Unlimited, also condensing
Enclosure material	Polycarbonate ABS



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FCC Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Caution: Any changes or modifications to this device not explicitly approved by manufacturer could void your authority to operate this equipment.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

RF Exposure Information

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator and your body.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.