

MACE Smart

slim mobile access control reader

Key features:

- ✓ enables use of smartphones to identify people
- ✓ supports NFC, Bluetooth Low Energy and smartcard technology
- ✓ elegant, mullion mountable design
- ✓ operates with any access control system
- ✓ combines convenience and security

Nedap MACE is a platform that allows any access control system to use smartphones as access credentials. The platform consists of a cloud based service, readers and apps.

MACE apps can receive and contain multiple virtual identity credentials. These credentials are presented to MACE readers using NFC, Bluetooth Low Energy or QR. Virtual identity credentials are sent to the smartphone in a secured way from the MACE Server. The MACE Server accepts imports from third party access control systems.

MACE Smart

The MACE Smart is a slim mobile access control reader. It supports Bluetooth, NFC and smartcards. This elegant reader enables using smartphones in any access control system, while continuing to support existing credentials that contain smartcard technology.

This multi-technology reader is configurable using a free downloadable tool. With this tool, settings like the read range and output can be specified.

Mullion mountable

The MACE Smart is small enough to be mullion mounted. Characterized by its slim design, this mobile access control reader is the perfect solution for doors that require a combination of security and convenience.



Applications

The MACE Smart is designed for any access control application where smartphones are to be used immediately or in the future. This applies to e.g. building access control applications, parking management systems and even event ticketing systems.

Easy integration

Like all Nedap systems, the MACE Smart supports a variety of well-established industry-standard protocols, such as Wiegand, clock & data and serial connections like RS485. This enables seamless integration into any existing or new building access control system.

OSDP

Based on RS485, the Open Supervised Device Protocol (OSDP) is an industry standard for secure communication of RFID readers. A specific firmware version is available to upgrade the MACE Smart reader with OSDP.

Configuration Kit

The optional MACE Smart Configuration Kit enables easy installation and configuration of the MACE Smart. The kit includes an RS485-USB converter and a 24V power adapter with international socket plugs.

Technical information	MACE Smart
Part number	9565914 MACE Smart
Dimensions	100 x 50 x 22 mm (3.9 x 2 x 0.9 inch)
Color	RAL7016
Weight	75 g (0.17 lbs)
Usage	Indoor + outdoor
Material	PC+ASA
Operating temperature	-30...+60°C (-22...+140°F)
Storage temperature	-30...+60°C (-22...+140°F)
Relative humidity	10% ... 93% relative humidity, non-condensing
Power supply	12 ... 24 VDC (from power-limited UL294 or UL603 Listed power source)
Power consumption	0.2A@12VDC, 0.1A@24VDC
Read range	Bluetooth Low Energy: configurable up to 10cm (proximity), 1m (short), 2.5m (medium) or 10m (long). Fine-tuning the BLE read range is possible with the MACE ConfigTool. NFC and smartcards: up to 5cm
Operating frequency	Bluetooth Low Energy 2.402 – 2.480 GHz NFC & smartcards: 13.56 MHz
Supported RFID cards	ISO14443-3A, Mifare DESFire (EV1), Mifare Classic, Mifare Ultralight, Mifare Plus (SL3) ISO15693, HID iCLASS (UID only), MACE Card
Communication interfaces	RS485 interface. Please consult your representative for additional interfacing options.
Communication protocols	CR/LF, OSDP
Input	2 digital inputs for LED control (RED/GREEN) 1 digital input for beeper control
Output	Wiegand, Magstripe (clock & data)
Max. cable length	Wiegand 150 m (500 ft.) 22AWG RS485 1200 m (3950 ft.) when installed properly
Tamper switch	Magnetic switch, normally closed
Standards	Europe: Europe Radio Equipment Directive 2014/53/EU Safety: EN62368 EMC: EN301489 Telecom: EN330 330 and EN300 328 Human Exposure assessment: EN62369 and EN50364 USA: FCC Title 47 Part 15B and 15C UL294 (pending) Canada: ISED ICES-003 and RSS210
Optional accessories	9566503 MACE Smart Configuration Kit
Document version nr.	1.3