MACE READER MM (QR) ✳

| people identification reader for smartphones

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 phone in a secured way from the MACE Server. The MACE Server accepts imports from 3rd party access control systems.

MACE Reader MM

Multi technology reader to be used with MACE apps with MACE identifiers. Supports Bluetooth, NFC, smart cards and proximity cards. The reader is small enough to be mullion mounted. The MACE Reader MM is configurable using a free downloadable tool that connects to the USB port. Read range and output can be specified.

MACE Reader MM QR

Multi technology reader to be used with MACE Apps with MACE identifiers. In addition to the MACE Reader MM, this reader includes a QR reader that enables reading QR-codes displayed on a smartphone.

Easy integration

Like all Nedap systems, the MACE Reader MM and MACE Reader MM QR support 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.

Applications

The MACE readers are designed to work in any access control applications 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.

SPECIFICATIONS

Technical information	MACE Reader MM (QR)
Part number	9565523 MACE Reader MM 9565531 MACE Reader MM QR
Operating frequency	Bluetooth low energy 2.402 – 2.480 GHz NFC & smartcards: 13.56 MHz Proximity cards: 120 kHz
Dimensions	150 x 50 x 40 mm [5.9 x 2 x 1.6 in]
Weight	0.5 kg [1.1 lbs]
Housing	Aluminium (Zamak5) chassis with polycarbonate cover
Color	RAL9006 cover and RAL7016 chassis
Protection	IP65 [approx.NEMA4x]
Detection range	Bluetooth Low Energy: configurable up to 2m (short), 5m (medium) or 15m (long) NFC, proximity card and smartcards: up to 5cm
Barcode scanner	QR-code (QR1, QR2, QR micro), aswell as most mainstream 1D and 2D barcodes
Operating temperature	-30...+60°C [-22...+140°F]
Power	12 ... 24 VDC (from power-limited UL294 or UL603 Listed power source)
Current consumption	0.4A@12VDC, 0.2@24VDC
Input	2 TTL digital inputs for LED control (RED/GREEN) 1 TTL digital input for beeper control
Tamper indication	Yes, magnetic tamperswitch
Cable	Fixed cable length of 5 meters [16.4 ft] included (pigtail)
Cable length	Wiegand 150 m [500 ft] 22AWG RS485 1200 m [3950 ft] when installed properly
Interfaces	RS485 and USB2 service interface, additional interfacing options exist. Please consult your representative.
Output	Wiegand, magstripe (clock & data)
Compliance	Europe R&TTE Directive 1999/5/EC USA: FCC Title 47 Part 15B and 15C Canada: ISED ICES-003 and RSS210
Certifications	Safety: EN60950-1 EMC: EN301489 Telecom: EN330 330 and EN300 328 Human Exposure assessment: ICNIRP Guidelines, EN62369 and EN50364 UL294
Documentation	How to order Guide (HTOG) MACE Installation Guide MACE Firmware Guide
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