WCS/WCA Optional Accessories
NFC Reader

MACTRON
GROUP

NFC Reader Allows for an increase in operation efficiency by allowing the user to book a meeting room from the panel in person. As well as allowing touch enabled authentication with Staff IDs, badges and guest passes. The NFC Readers sleek and compact design ensures that it will fit in any office.

**Currently, the NFC Reader does not support 125KHz proximity technology.

Specifications

NFC Module

ISO/IEC 14443 Type A/B, R/W up to 848 kbits
ISO/IEC 18092 FeliCa R/W up to 424 kbits
Support for all mandatory NFC Forum tags
Support for MIFARE 1K, 4K
Frequency: 13,56 MHz
Interface: USB 2.0
Power supply: USB Bus
Reading distance: up to 4 cm

SUPPORTED PROTOCOLS

ISO/IEC 14443A, ISO/IEC 14443B PCD 106 kbit/s to 848 kbit/s
ISO/IEC 14443A, ISO/IEC 14443B PICC 106 kbit/s to 424 kbit/s
MIFARE reader encryption mechanism (MIFARE 1K/4K)
Reading NFC Forum tags (MIFARE Ultralight, Jewel, FeliCa open tag, ISO/IEC 14443-4)
Reading DESFire card
ISO/IEC 15693/ICODE reader
NFC-IP1 and NFC-IP2 protocols (ISO/IEC 18092 /ECMA 340 and ISO/IEC 21481/ECMA 352) 106 kbit/s to 424 kbit/s
B' card emulation over SWP
MIFARE card emulation over SWP
FeliCa card emulation over SWP

SUPPORTED SECURE ELEMENT INTERFACES

SWP/HCI (Single Wire Protocol) according to ETSI/SCP standardization
ISO/IEC 28361 (ECMA 373) NFC-WI interface connects to an external Secure Element restricted to 106 kbit/s. Signal In activation is not implemented.

Features

- Instant Onsite Booking
- Authenticating Access Requests
- Compatabile with Building Design

Applications

- Meeting Room Reservation
- Office Access

NFC Reader Attached to WCS/WCA Series

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FC CE RoHS