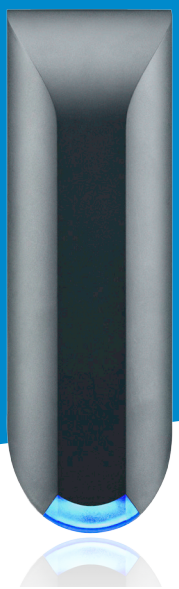
uPASS ACCESS

UHF reader for hands-free access



KEY FEATURES:

- hands-free people identification
- read range up to 2 meters (6,5 feet)
- operates with passive UHF cards (EPC Gen 2)
- supported combi card technologies: UHF with HID, LEGIC, MIFARE, FeliCa, EM and Nedap
- 3 color LED and beeper indication
- OSDP converter optionally available

The uPASS Access is an ultra-small UHF reader for hands-free door access. Based passive UHF technology, people are identified up to 2 meters (6,5 feet). The uPASS Access complies with the ISO18000-6C and EPC global Gen 2 directive.

Typical applications include hands-free door access in hospitals, office buildings, gated communities, care homes and universities.

Card orientation freedom

As the uPASS Access is used in combination with battery free UHF combi cards, the solution is cost efficient. The patented antenna design guarantees card orientation freedom. This means credentials can be read both horizontal and vertical as long as they are in direct line of sight of the reader.

Nedap's portfolio contains various combi cards that combine UHF with conventional card technologies, such as: HID Prox, HID iClass, EM, MIFARE and LEGIC. These combi card solutions enable compatibility with access control installations.

Communication interfaces

The uPASS Access supports a variety of industry-standard communication interfaces, such as Wiegand, clock & data and RS485. This enables seamless integration into any existing or new access control or parking system.

LED and beeper indication

The built-in high intensity red, green and blue LED's provide the user with visual feedback that the tag has been read or authorized. The LED and beeper functionality can be controlled by the access control panel, but can also be reconfigured.

Easy installation

The uPASS Access is ideal for door post mounting at a height of about 1,5 meters (5 feet). It can be installed directly onto a wall next to a door, without requiring additional mounting accessories.

The reader is IP65 rated, so it can be used indoors as well as outdoors. The reader features a tamper switch to immediately provide tamper indication.

OSDP converter

Based on RS485, the Open Supervised Device Protocol (OSDP) is an industry standard for secure communication of RFID readers. The PCC485 is optionally available to upgrade the uPASS Access with OSDP.

Technical specifications	uPASS Access
Part number	9958240 uPASS Access (region 1) 9206663 uPASS Access (region 2) 9211926 uPASS Access (region 3)
Dimensions	150 x 50 x 40 mm (5.9 x 2 x 1.6 in)
Color	RAL7016 cover and RAL9006 chassis
Weight	0,5 kg (1.1 lbs)
Protection class	IP65 (approx.NEMA4x)
Material	Zamak chassis with polycarbonate cover
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 ± 10% linear supply recommended
Power consumption	1A @12VDC, 0.5@24VDC
Read range	Up to 2 meters (6,5 feet) with passive Nedap UHF cards or Nedap UHF Combi cards
Operating frequency	865-868 MHz uPASS Access Region 1 902-928 MHz uPASS Access Region 2 915-928 MHz uPASS Access Region 3
Antenna polarization	Intermittend horizontal and vertical
Air interface	According to ISO 18000-6 C; EPC Gen 2
Communication interfaces	RS485 and USB2 service interface
Communication protocols	CR/LF
Relay output	No relay output
Input	2 TTL digital inputs for LED control (RED/GREEN), 1 TTL digital input for beeper control
Output	Wiegand, clock & data
Cable specifications	Pigtail cable - 5 meters (16.4 feet) included Wiegand cable -150 meters (500 feet) 22AWG RS485 cable - 1200 meters (3950 feet)
Tamper switch	Magnetic switch, normally closed
Standards	CE, FCC, IC, ACMA, R-NZ, UL294, South Korea, Vietnam, Singapore, Malaysia
Optional accessories	9564233 TCC270
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