uPASS Access

Quick Install Guide

Power Supply:

Linear 24vdc 2-3 AMP

Cabling:

Shielded twisted 6 pair (18-22 Gauge) for communication wiring.

A separate twisted pair (14-18 Gauge) for the power supply.

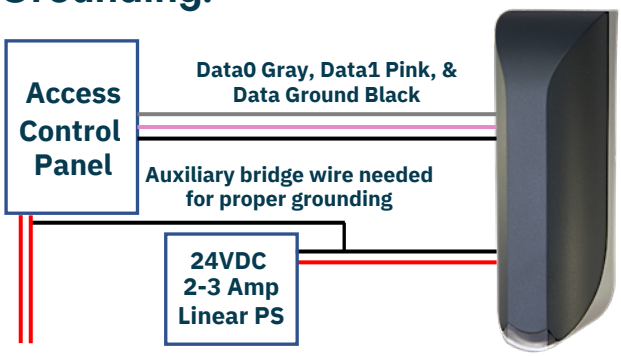
Tools:

- 1 Phillips screwdriver to open and access the reader
- 1 small flathead screwdriver for landing the wiring.
- Wire Strippers

Wiring:

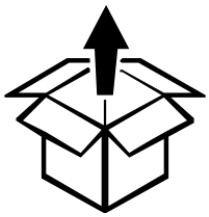
RED	Power supply 24VDC Linear 2-3 Amp.
BLACK	Power supply 0VDC, DC-Ground.
BROWN	RS485 A-
GREEN	RS485 A+
GRAY	Data-0 / Clock
PINK	Data-1 / Data
YELLOW	Tamper switch (normally closed)
GRY/PNK	Tamper switch (common)
RED/BLU	Led_UL_IN*
WHITE	Led_NA_IN*
PURPLE	Nedap antenna interface. RFMOD antenna modulation (ANT/HF+).
BLUE	Beeper_IN*
SHIELD	Shield

Grounding:



Continuity is created by landing a jumper between the 12v ground powering the access control panel to the 24v ground powering the reader.

Plug and Play:



Out of box the reader is set to output Standard Wiegand Communication and is set to Max Read range and Antenna Power.

Additional Resources:

These are available for download through our Partner Portal @portal.nedapidentification.com by creating a guest account.

- Install Guide (included in the reader box) PDF available online.
- UHFTool. Only needed if slight adjustments needed. Out of box set to Max Read range and setup to output Wiegand.
- Datasheets (available through the Partner Portal)

Quick Shots:

- Other communication wiring setups Pages 8-10 of the Installation Guide.
- OSDP Configurations Pages 11-13 of the Installation Guide
- UHF Tag Installation sheets (available on our Partner Portal for download.)

Tag Enrollment:

For Stock Tags, you will find the Facility Code under the description. UHF W26 FC:020. The tag # is printed on the box and tag as well.

For Special Programmed tags this information is submitted by the customer.

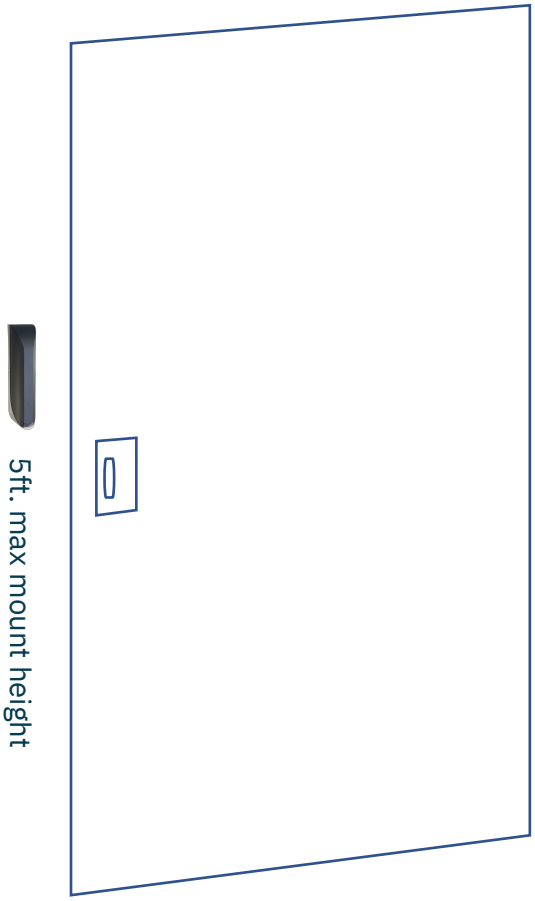
You will be able to go in and enroll your tags with the information provided above.

The read range, which is up to 2 meters, can be adjusted by means of UHFTOOL software setting. See chapter 5.3.5. Reducing the read range will shrink the complete antenna lobe.

Read Lobe Example:

Figure 3: uPASS Access antenna coverage

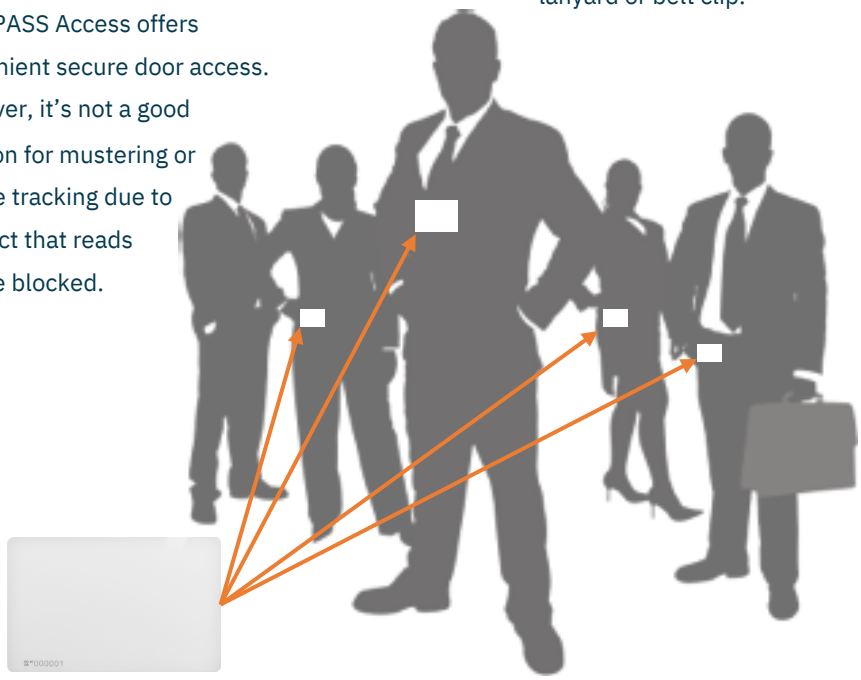
Cards can be badged either horizontally or vertically on a lanyard or belt clip.



The way it works:

For optimal performance, readers should be mounted on the same side to stay consistent with the badging. Line of sight is needed in order to create accurate reads.

The uPASS Access offers convenient secure door access. However, it's not a good solution for mustering or people tracking due to The fact that reads Can be blocked.



Handicap Access:

The uPass product line is a great solution for handicap entries. Because of the longer read range, it allows for an easy convenient access. A variety of tags are available for handicap or wheelchair access when needed.