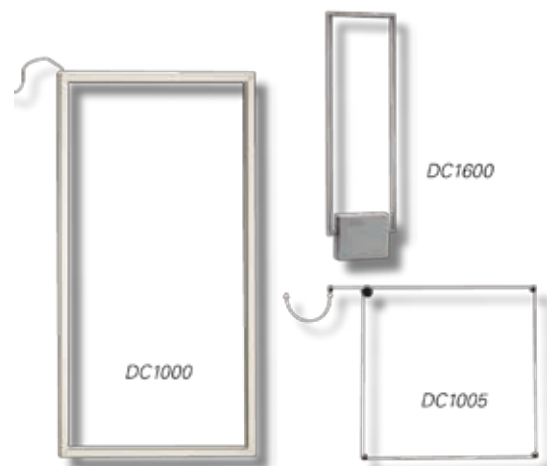


# Nedap long range indoor antennas

Nedap long range indoor antennas provide user friendly hands free reading of Nedap cards. Authorised personnel or visitors carrying their card in their clothing or bag are granted swift and comfortable access to the premises or specific areas.

Nedap long range indoor antennas are flexible, secure and suitable for virtually all indoor environments.

- Comfortable reading distances
- Secure separation of antenna and reader
- Stylish and non-obtrusive design
- Flush mounting capabilities
- Variable dimensions
- No maintenance required



## The comfort of hands free detection

Nedap long range detection antennas can detect and read Nedap cards over a very comfortable distance. In practice, this means card users do not need to present their card to the antenna.

Carrying your card in your pocket or handbag is sufficient; the antenna will read it as you approach or pass by.

## Sabotage proof security

For optimal security, Nedap readers and antennas are installed separately. Mounting the manipulation-sensitive reader on the protected side of the entrance ensures the encrypted data transfer is completely secure and sabotageproof.

Other manufacturers traditionally install the antenna and the reader together on the non-secure side of the entrance, which leaves sensitive system components exposed and prone to sabotage. Nedap found this an unacceptable risk and hence developed the sabotage proof antenna and reader separation.

Nedap antennas leave no wires or vulnerable components exposed, as opposed to swipe or chip card readers.

## Flexible design and use

There is a complete range of Nedap indoor antennas available for different applications, and out of these the DC1005 and

DC1000 (frameless version) can even be adjusted for different shape and format requirements.

The DC1005 can be adjusted on site by trimming the aluminium tubes into different dimensions as well as shapes. It can be rectangular or square and can therefore be applied in many different surroundings and fixtures.

If adjusted, the detection range is determined by the final size of the detection antenna, the chosen card technology and the surroundings.

In addition, the DC190 detection antenna has a special water resistant and tamper proof housing for more vulnerable environments.

## Antennas for all areas and environments

Every security manager in every organization has unique requirements for a comfortable yet secure card detection solution that suits the atmosphere of their building or sites.

The Nedap indoor range of hands free detection antennas has one for each type of environment.

See overleaf for technical specifications >>

- DC1000 antennas can be installed inside a wall or a door for invisible detection.
- DC1005 antennas can be mounted onto a wall or (glass) door and can be adjusted on site to fit different size requirements.
- DC1600 antennas with uniquely long detection ranges are mounted autonomously on the floor, usually along busy walking paths.

With Nedap long range indoor antennas, the appearance of your building can retain an open and visitor friendly atmosphere.

**No antenna maintenance required**

Since no moving or mechanical parts are required for card detection, no maintenance is required. RF-antennas are solid and, if visible, friendly looking. They do not wear out like swipe or chip card readers.

**Customer specific applications**

The EW120 antenna adjustment kit enables you to adjust the dimensions of DC1000 and DC1005 antennas, for example to fit inside a glass pane or window frame. These antennas consist of one copper or metal winding.

Special versions of this kit can also be used to integrate revolving doors or turnstiles for secure and smooth passage of individuals or crowds.

**User friendly reading distances**

The detection distances of Nedap indoor antennas vary depending on the surroundings in which the antenna is placed (see technical specifications for more details).

A number of technology-related factors further influence the antenna reading range, such as the applied AEPack, antenna, card technology and cable length.

Nedap XM, Nedap Combi or Nedap UniXS cards can all be used in combination with the indoor antennas.

Technical specifications long range antennas

	DC1000-DC1011	DC1005	DC1600
Product number	9801197	9845020	9841474
Detection range	90cm max*	90cm max*	90cm max*
Housing	Plastic	Plastic & aluminium	Stainless steel
Dimensions (HxWxD)	1000 x 550 x 32mm max*, can be reduced to 400 x 400 x 32mm min*	1000 x 550 x 32mm max*, can be reduced to 400 x 400 x 32mm min*	1610 x 480 x 100mm
Operating temperature	0 - 70°C	0 - 70°C	0 - 70°C
Cabling	Length max. 50m, 5 x 0.25mm <sup>2</sup> , shielded	Length max. 50m, 5 x 0.25mm <sup>2</sup> , shielded	Length max. 50m, 5 x 0.25mm <sup>2</sup> , shielded
* Reading distances vary depending on size, surroundings, card type and used reader packs.			

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