

Invexs readers & antennas

Nedap has developed a completely new family of readers and antennas: the Invexs series. The Invexs family combines modern design with cutting edge functionality. Thanks to dual reader technology Invexs readers and antennas can simultaneously read different credentials.

- Dual reader technology for Nedap, Mifare and DESFire credentials
- Modern touch key design
- Comfortable reading distances
- Multiple output protocols



The Invexs family

The Invexs reader family consists of different antennas and readers. The A170 antenna is for combined use of Nedap and Mifare credentials. The MN170 reader reads both Nedap and Mifare credentials, and the MD170 reads Mifare and DESFire. Invexs readers are available with or without touch keys.

Dual reader functionality

Like Convexs readers, Invexs readers can simultaneously read Nedap, Mifare and DESFire credentials. One of the many advantages of this functionality is that it enables smooth migration. Customers can store all credentials in a mixed pool, so there is no need to change all credentials overnight during a migration process.

Modern design

The modern, stylish look of Invexs readers fits perfectly in today's office buildings. The keypad's high-quality touch keys are software-controlled and only light up once a valid badge is presented. The back panel is available in black or white.

Different readers for different situations

Invexs readers are versatile. The different models are suitable for a variety of situations and customer demands. But Invexs' versatility also shows in its functionality and output, which can be configured to either Wiegand, RS485 protocol (encrypted or plain) or XS RF modulation for integration with existing hardware.

Configuration and programming

Invexs readers are easy to configure and program. Configuration is done with Aereco software (*AEOS REader COnfiguratON*), a special configuration tool for Invexs and other AEOS readers.

The configuration is deployed with either a configuration card or AEMON, a configuring tool for AEOS AEPacks and Behavior Components.

Product Numbers and versions

	Color	Antenna/Reader		Keypad	
Mifare Nedap antenna	Black	A170B	9833560		
	White	A170W	9832610		
Mifare Reader	Black	M170B	9833900	MK170B	9834230
	White	M170W	9832750	MK170W	9832920
Mifare DESFire reader	Black	MD170B	9834400	MDK170B	9834680
	White	MD170W	9834370	MDK170W	9834540
Mifare Nedap reader	Black	MN170B	9834060	MNK170B	9833730
	White	MN170W	9832890	MNK170W	9833080

Technical Specifications

Dimensions	LxWxH: 171 x 75 x 25 mm Weight: +/- 200 gr.
Protection	IP54
Power	Supply: 10VDC – 30VDC Consumption: 70mA@12VDC, 35mA@24VDC
Environment	Temperature: Operating 0 – 55 °C; Storage -30 – 65°C Relative Humidity: 10 -93% non condensing
Tamper Switch	Optical
Communication	RS485 (Encrypted AEOS or Plain Protocol –user definable-) Wiegand Data 0 and Data 1 (protocol depends on configuration) RF Modulator (120 kHz for AX1014 or AB350)
Inputs	Beeper LED's
Antennas	Antenna 1: 120 kHz, Nedap credentials Antenna 2: 13,56 MHz, Mifare/DESFire credentials
Detection distance	Nedap credentials: approx. 15 cm Mifare/DESFire credentials: approx. 5 cm
Cabling for the readers	RS485: 2 x 2 x 0,25 mm ² shielded, max. 1000 m. Wiegand: 4 x 0,25 mm ² shielded, max 150 m. (excl. LED's)
Cabling for the antennas	Nedap: 5 x 0,25 mm ² shielded, max 50 m. Mifare: Coax RG58u max. 30 m. LED's: 3 x 0,25 mm ² shielded.

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