

Way Base, Keypad, QR

The next generation of access readers

Featured:

- ✓ One smart design, three powerful readers
- ✓ Frictionless experience
- ✓ Flexible by design
- ✓ Secure and future ready
- ✓ Built to last



One smart design. Three powerful readers.
A modern, recognizable design with signature ambient lighting. Built to fit any environment and application – indoors or outdoors.
Access, the Nedap Way.

Frictionless experience

From installation to daily use;

- Straightforward installation and easy mounting or reader replacement in a universal bracket.
- Configurations and updates can be installed remotely with Nedap Transparent mode or OSDP file transfer. The readers will stay operational during this process.
- End-users enjoy optimized read performance for multiple credential types and intuitive feedback with clear audio-visual indicators.

Flexible by design

Adapt to your technology – today and tomorrow;

- Supports wide range of RFID badges and mobile credentials.
- Multiple interfaces and protocols are supported; Nedap transparent, OSDP and Wiegand.
- Seamless migration from legacy to modern tech.

Secure & future-ready

Build on a modern, secure platform;

- Secure microcontroller architecture with open OS supporting future features and optimizations.
- Updates can be securely and easily deployed.
- Readers carry a unique device certificate upon leaving the factory.

Built to last

Reliable in any environment;

- The housing is UV and impact resistant.
- Water and dust resistant for indoor & outdoor use.
- Modular design for easy repair & recycling.

Choose your reader

Way Base; reliable access with RFID badges and mobile credentials. The reader of choice for office environments (card + mobile).

Way Keypad; adds secure PIN entry with backlit tactile keys, usable with gloves and in wet conditions. Typical applications are high-security areas (Base + Keypad).

Way QR; fast QR & barcode scanning, optimized read angle and illumination for mobile screens. ideal for visitor access (Base + QR).

Feature	Base	Keypad	QR
RFID	✓	✓	✓
PIN	x	✓	x
QR	x	x	✓

Technical specifications	Nedap Way readers
Part number	9229201 Way Base Model NVR2401B 9229215 Way Keypad Model NVR2401K 9229207 Way QR Model NVR2401Q
Dimensions	135 x 53 x 28 mm (5.3 x 2 x 1.1 inch)
Color	RAL7016 cover / RAL9006 bracket
Material	UL PC+ASA combining strength with superior weatherability and UV resistance
Outdoor rating	IP65 (approx. NEMA4x) protected against water and dust
Impact resistance	IK08 impact resistance, IK10 with protection hood
Operating temperature	-35°C to +66°C (-31°F to 150°F)
Storage temperature	-35°C to +66°C (-31°F to 150°F)
Power supply	12-24 VDC
Power consumption	Way Base: Typical 28mA - Peak 180mA @12VDC / 16mA - 100mA @24VDC Way Keypad: Typical 28mA - Peak 210mA @12VDC / 16mA - 110mA @24VDC Way QR: Typical 57mA - Peak 240mA @12VDC / 31mA - 130mA @24VDC
Max cable length	12 VDC: 50 meters (150 ft), min AWG23/0.25mm ² 24 VDC: 150 meters (500 ft), min AWG24/0.22mm ²
LED indicators	Access LED + Status LED + Ambient lighting controlled separately (RGB & dimming)
Audio feedback	Audio speaker (100hz - 8kHz) with volume control
Mounting & installation	Surface mounting bracket (2 screws) - reader fixing with torx security bit (1 screw) Removable block connectors for wiring
Supported cards	Low frequency & high frequency cards Including Prox, Mifare Classic, Mifare Desfire (EV1, EV2, EV3) with proximity check
Mobile credentials	NFC; supports Nedap Mobile Credentials in Apple Wallet & Google Wallet BLE; Nedap Mobile ID Protocol available on request
Communication protocols	Nedap transparent mode OSDP v2, including secure channel communication and file transfer CR/LF Wiegand
Communication interfaces	RS485, Wiegand and USB-C service interface
Tamper sensor	Contact sensor + accelerometer to signal tamper situations
Way Keypad only	Keypad to insert a PIN code (0-9), decline and approve Tactile buttons with bump on the 5 and backlight for orientation
Way QR only	Reads QR-code (QR1, QR2, QR micro) and barcodes Integrated aiming- and illumination LED (sensor triggered)
Standards	CE, FCC Consult your Nedap representative for country specific standards
Optional accessories	9229212 Way Spacer 9234918 Way Protection hood 9234896 Way Cover plate
Document version nr.	1.1 - August 2026