The complete family of NexWatch digital credentials, clockwise from front: NexKey, KeyMate* proximity key fob, QuadraKey, and 2Smart key.

When NexWatch invented proximity access control technology in 1972 it revolutionized the security industry. Because of its convenience, dependability, enhanced security, low maintenance, and high end-user acceptance proximity has become the most desired access control technology available. NexWatch's latest innovations in access control technology include: multiple-technology ISO-compliant cards; low-cost proximity badges, and; long-range proximity cards. Each card provides the convenience of hands-free access, while acting as a key to a secure and dependable access control system.

Designed for use with the award-winning DigiReader Series Digital Proximity Readers, NexWatch's digital cards provide some of the longest read ranges available for passive proximity cards. The cards are powered by the reader; they require neither batteries nor maintenance. Sturdy, world-class construction, advanced technology and unique numbers for each card make them virtually impossible to counterfeit.

KEY FEATURES

- Advanced digital proximity technology from the company that invented proximity access control

- "No-hands" access provides ultimate convenience for cardholders

- Cards can be read through wallet or purse

- Support for multiple technologies enhances security and flexibility

- Compact size easy to transport

- Choose the card that best suits the needs of specific applications
  - *QuadraKey multiple-technology ISO-compliant card*
  - *2Smart Key contact smart card plus proximity*
  - *NexKey low-cost, high-feature proximity badge*
  - *KeyMate, single slot for executive key fob*

- Passive proximity technology requires no batteries and helps assure each card will provide years of service with no maintenance

- Meets or exceeds the most demanding RF signal regulations

- Virtually impossible to counterfeit or duplicate

- Easy customization of individual cards by user or by authorized NexWatch Dealer

- KeyMate is easily fasten to any key ring or chain

- Makes access more convenient without compromising security

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FEATURES AND SPECIFICATIONS

QuadraKey™ multiple-technology, ISO-compliant card

QuadraKey allows facilities to integrate multiple applications in one ISO-compliant card. QuadraKey supports proximity, magnetic stripe, photo ID with color imaging on both sides, bar code, and smart chip insertion in a package that has the same dimensions as a credit card.

2Smart™ Key contact smartcard plus proximity

The 2Smart™ Key offers the convenience of low-frequency proximity and the flexibility of an embedded contact smartchip technology with a read range of up to 20 in. / 50 cm.* It offers all the flexibility of the QuadraKey (proximity, photo ID, etc.) plus the smartchip in addition to providing graphic quality surface for use with direct image printers. In addition to its physical access capability, 2Smart Key is ideal for multiple applications that call for smart card technology which include, logical access control, vending, restaurant, library, student card, biometrics, and storage.
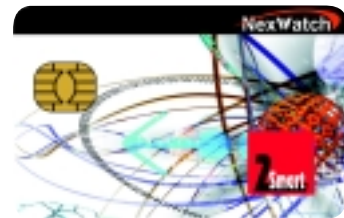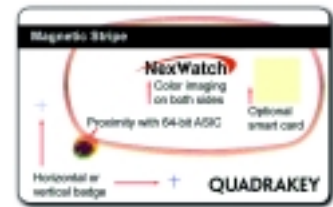
NexKey™ low-cost proximity badge

NexKey is a badge that brings NexWatch's advanced proximity technology into the price range of any company.

KeyMate™ keyfob

KeyMate is a proximity credential that packs today's most advanced passive proximity technology in a credential that is small enough to fit on a key chain. With the same award-winning design as NexWatch's DigiReader Digital Proximity Reader, KeyMate is as attractive as it is durable. Covert, attractive, and sturdy, KeyMate is ideal for use as an executive credential, or in any application that requires the ultimate convenience in hands-free access technology.

QUADRAKEY / 2SMART™ KEY

NEXKEY

KEYMATE

	QuadraKey	NexKey	2Smart	KeyMate
Description	Multiple technology ISO compliant card	Low-cost, high-feature proximity card	Multiple technology ISO compliant card	Small, durable, hands-free access, proximity technology
Key Features	• Multiple technology support for most flexibility • ISO standard size and thickness • Direct-to-card imaging on both sides of card* • Hole punch horizontal or vertical	• Low-cost, multiple technology-capable proximity card • Badge-ready with vertical slot	• Multiple technology support for most flexibility • ISO standard size and thickness • Direct-to-card imaging on both sides of card* • Hole punch horizontal or vertical	• Low-cost, passive proximity technology that requires no batteries, no maintenance • Highly resistant to shock and inclement conditions • Waterproof • Easily fastens to any key ring or chain
Magnetic Stripe	Yes; single-layer, 3M type 5203 high coercivity, 4000 Oerstad using track 2	No	Yes; single-layer, 3M type 5203 high coercivity, 4000 Oerstad using track 2	No
Photo ID	Direct-to-card w/ color imaging on both sides*	Cold Lamination	Direct-to-card w/ color imaging on both sides*	No
BarCode	Yes	Yes	Yes	No
SmartCard	Yes, chip insertion ready	No	Yes, chip insertion ready	No
Badging	Punch horizontal or vertical	Badge ready with vertical slot	Punch horizontal or vertical	Vertical slot for key ring insertion
Construction	• Single-coil • PVC	• Single-coil • ABS polycarbonate base • Lexan skin	• Single-coil • PVC	• Single-coil • Polypropylene material • Numeric encoded data embedded in integrated circuit
Custom Skins	N/A customized w/ photo ID	Yes	N/A customized w/ photo ID	No
Dimensions	3.37 x 2.125 x 0.032 in. / 8.55 x 5.29 x 0.081 cm	3.37 x 2.125 x 0.11 in. / 8.55 x 5.40 x 0.216 cm	3.37 x 2.125 x 0.032 in. / 8.55 x 5.29 x 0.081 cm	1.375 x 1.625 x .125 in. / 3.49 x 4.13 x .125 cm
Temperature	14° to 140° F / -10 ° to 60° C	14° to 140°F/ -10 to 60° C	14° to 140° F / -10 ° to 60° C	-31° to 270° F / -35 to 132° C
Power	Passive powered by DR series digital proximity reader			
Max Read Ranges	Maximum read ranges may vary depending on physical environment of installation and reader used. Following are optimum read ranges for cards with specific readers.			
DR4201	Up to 1.5 in / 3.75 cm	Up to 1.5 in / 3.75 cm	Up to 1.5 in / 3.75 cm	Up to 1 in / 2.5 cm
DR4203	Up to 3 in / 7.6 cm	Up to 3 in / 7.6 cm	Up to 3 in / 7.6 cm	Up to 1 in / 2.5 cm
DR4205	Up to 4 in / 10 cm	Up to 4 in / 10 cm	Up to 4 in / 10 cm	Up to 2 in / 5.0 cm
DR4208	Up to 8 in / 20 cm	Up to 8 in / 20 cm	Up to 8 in / 20 cm	Up to 4 in / 10 cm
DR4220	Up to 20 in / 50 cm	Up to 20 in / 50 cm	Up to 20 in / 50 cm	Up to 10 in. / 25 cm

NexWatch
Your Access to the Future