

ReaDX

Transponders and Encoders



Readx Transponders and Encoders provide a combination that allows the user to encode data onto cards and tags for use with the Readx Prox Readers.

ReaDX



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Transponders and Encoders

(90000 and 50000 Series)

Readx provides a range of proximity cards and transponder tags. In addition an Encoder is available to encode data onto these cards and tags.

Transponders

ReaDX provides a range of proximity cards and transponder tags. The transmission technique used between the transponder and the reader is Amplitude Shift Keying (ASK), Frequency Shift Keying (FSK) and Phase Shift Keying (PSK) modulated on a carrier wave at 125kHz*. The transponders use e555x range of Temic chips.

ReaDX Proximity Cards include:

- Half Shell cards
- ISO cards, a printable laminated card similar to a credit card
- ISO Magnetic cards, an ISO card containing a magnetic stripe

- Key fob
- Other 'special order' transponders by arrangement

The credit card sized transponders can have Photo ID added to further enhance security.

ReaDX transponders can be encoded in a range of formats on request.

Encoder

The ReaDX Encoder provides the ability to encode data onto cards and tags for use with the ReaDX Prox readers.

The ReaDX Programmer allows you to eliminate card programming fees. The

ReaDX Programmer can operate in the ASK and FSK modulation modes.

The ReaDX Prox Programmer comprises user friendly encoding software which runs on an industry standard Microsoft® Windows 95, 98 or 2000 operating system, and an encoding unit which connects directly to the computer.

The ReaDX Programmer software is available in EM-ASK, Casi Rusco, HID and Motorola compatible formats including variants. Each unit's encoding software is protected by a unique software license specific to the customer. A valid operator name and password is required as a security feature.

* Phase Shift Keying (PSK) capability is under development and will be available on request in certain countries.



Product codes – Transponders

- R90000 ReaDX Standard Proximity card (half clam shell)
- R90011 ReaDX ISO Proximity card (printable photo ID)
- R90012 ReaDX ISO card with magnetic strip (printable photo ID)
- R90013 ReaDX Key fob

Product code – Encoder

- R51010 ReaDX Encoder Hardware
- R51100 ReaDX Encoder Software (EM, HID)
- R51110 ReaDX Encoder Hardware and Software

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Technical Specifications	ReaDX Programmer – Encoding Software	
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Minimum Computer Specifications	Processor	Pentium
	Clock Speed	100 MHz
	RAM	64 Megabytes*
	Hard Disk	50 Megabytes
Operating System	Win 95/98/2000 NT	

Technical Specifications	ReaDX Programmer – Encoding Unit	
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Dimensions	Width	135 mm (5.3")
	Length	180 mm (7")
	Depth	30 – 50 mm (1.2 – 2")
Weight	300 g (11 oz)	
Power Supply	Voltage	5 – 12 V DC
	Current	500mA
Temperature Range	-30° to 65°C (-22°F to 149° F)	
Encode Rate	14 per minute	
Communications (connection to PC)	RS232	
Encoding Compatibility	Temic e555x	

* RAM will depend on the Microsoft operating system that is being used.

Technical Specifications	ReaDX Card Transponders - ReaDx ISO - ReaDX ISO with Magstripe	
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Dimensions	Width	54 mm (2.13")
	Length	85.6 mm (3.37")
	Thickness	0.80 mm (0.03")

Technical Specifications	ReaDX Card Transponders - ReaDx Clamshell	
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Dimensions	Width	54 mm (2.13")
	Length	86 mm (3.39")
	Thickness	2.2 mm (0.09")

Technical Specifications	ReaDX Transponders - ReaDx Key fob	
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Dimensions	Width	30 mm (1.18")
	Length	43 mm (1.69")
	Thickness	4 mm (0.16")

Disclaimer:

Whilst every effort has been made to ensure accuracy, neither ReaDX nor any employees of the company, shall be liable on any ground whatsoever to any party in respect of decision or actions they may make as a result of using this information.

In accordance with the Readx policy of continuing development, design and specifications are subject to change without notice.

Contact Readx for a list of approvals and compliance standings.

ReaDX



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ReaDX Global Ltd

181 Kahikatea Drive
Hamilton

New Zealand

Telephone: +64-7 838-9800

Fax: +64-7 838-9801

email: sales@readx.com