Delta3

13.56 MHz Contactless Smartcard Reader

Application - Slim design makes it ideal for applications such as door access (metal mullion, door or window frame mount).

Compatible - Wiegand and magnetic stripe protocols for easy integration with standard access systems.

Industry Friendly - Supports MIFARE™ a leading industry standard for contactless smart cards.

Durable - Secured with tamper- and weather-resistant epoxy potting, and backed by a lifetime warranty.

Delta comprises Farpointe Data's 13.56 MHz line of contactless smartcard readers, cards and tags. Based upon proven MIFARE contactless digital radio frequency identification (RFID) technology, Delta readers interface with a wide range of electronic access control systems by complying with the Wiegand communication protocol. They offer value-add features such as MAXSecure™ and ValidID™, and support sector and CSN reads. Additionally, Delta cards and tags are passive devices, eliminate maintenance by requiring no battery, and can be ordered programmed to various formats and encryption keys.

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Features and Specifications:

Technology:	Contactless smartcard	**Frequency:**	13.56 MHz
Mounting[1]:	Mullions, including metal door and window frames, as well as flat surfaces	**Dimensions (HxWxD):**	3.2 x 1.7 x 0.7 inches (80 x 43 x 17 mm)
OEM Label Area Dimensions:	0.9 x 0.35 inch (22.86 x 8.89 mm), with corner radius of 0.63 inch (16 mm)	**Weight:**	3 oz. (85g)
Certifications:	FCC, ICC, CE	**IP Code:**	IP67[4]
Voltage[2]:	+5 - 14 VDC	**Current Draw:**	135 mA typical @ 12 VDC
Read Range[3]:	Up to 1.5 inch (38 mm)	**Cabling[5]:**	24 AWG minimum, multi-conductor stranded with an overall foil shield
Interface:	Wiegand ABA Track II	**Operating Temperature:**	-40° F to 149° F (-40° C to +65° C)
Color Options:	A black snap-on cover included standard	**Audio Tone:**	Beeper included standard
Indoor & Outdoor Installation:	Electronics sealed in weather- and tamper-resistant epoxy potting	**Warranty:**	Limited lifetime warranty
LED:	Four-state standard (red, green, amber & off)	**Keypad Output[6]:**	N/A

Technologies Supported: **Delta3-CSN:** Interoperable with CSN[7] only (may include ISO 14443 and ISO 15693 compliant credentials, as well as credentials making use of Mifare 1k & 4k, DESFire, UltraLight and Mifare Plus).

Delta3-Sector: Interoperable with CSN + Sector (may include Delta Card Sector[8], as well as FIPS201 [PIV Type A & B], TWIC and CAC credentials).

[1] Spacer included standard for installations on metal.
[2] Linear power supplies are recommended for best operation.
[3] Tested using DC1-1 Delta Clamshell Contactless Smartcard with 12 VDC at the reader. Other credentials may be less.
[4] Self evaluated.
[5] For example Belden 9535 or similar.
[6] Available only on Delta6.4 model; 8-Bit Burst or 26-bit Wiegand standard, for 4-Bit Burst and other options please contact Farpointe.
[7] CSN = Card Serial Number
[8] Examples include, but are not limited to, DC1-1, DM1-3 and DK1-3.

Farpointe Data reserves the right to change specifications without notice.

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