

# Delta3

13.56 MHz Contactless Smartcard Reader

Delta® Smartcard Technology  
Data Sheet



**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.

©2012 Farpointe Data, Inc. All rights reserved. Farpointe Data, the Farpointe Data logo, Pyramid Series Proximity, Pyramid Series logo, Ranger and Delta are registered trademarks of Farpointe Data, Inc. MIFARE is a trademark of NXP Semiconductors. All other trademarks are the property of their respective owners.

232 Santa Ana Court  
Sunnyvale, CA 94085 USA  
Tel: +1-408-731-8700  
Email: [support@farpointedata.com](mailto:support@farpointedata.com)  
Website: [www.farpointedata.com](http://www.farpointedata.com)

 **Farpointe Data**®  
Readers  Credentials

# Delta3

13.56 MHz Contactless Smartcard Reader

Delta® Smartcard Technology  
Data Sheet

## Features and Specifications:

<b>Technology:</b> Contactless smartcard	<b>Frequency:</b> 13.56 MHz
<b>Mounting<sup>1</sup>:</b> Mullions, including metal door and window frames, as well as flat surfaces	<b>Dimensions (HxWxD):</b> 3.2 x 1.7 x 0.7 inches (80 x 43 x 17 mm)
<b>OEM Label Area Dimensions:</b> 0.9 x 0.35 inch (22.86 x 8.89 mm), with corner radius of 0.63 inch (16 mm)	<b>Weight:</b> 3 oz. (85g)
<b>Certifications:</b> FCC, ICC, CE	<b>IP Code:</b> IP67 <sup>4</sup>
<b>Voltage<sup>2</sup>:</b> +5 - 14 VDC	<b>Current Draw:</b> 135 mA typical @ 12 VDC
<b>Read Range<sup>3</sup>:</b> Up to 1.5 inch (38 mm)	<b>Cabling<sup>5</sup>:</b> 24 AWG minimum, multi-conductor stranded with an overall foil shield
<b>Interface:</b> Wiegand ABA Track II	<b>Operating Temperature:</b> -40° F to 149° F (-40° C to +65° C)
<b>Color Options:</b> A black snap-on cover included standard	<b>Audio Tone:</b> Beeper included standard
<b>Indoor &amp; Outdoor Installation:</b> Electronics sealed in weather- and tamper-resistant epoxy potting	<b>Warranty:</b> Limited lifetime warranty
<b>LED:</b> Four-state standard (red, green, amber & off)	<b>Keypad Output<sup>6</sup>:</b> N/A
<b>Technologies Supported:</b> <b>Delta3-CSN:</b> Interoperable with CSN <sup>7</sup> 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). <b>Delta3-Sector:</b> Interoperable with CSN + Sector (may include Delta Card Sector <sup>8</sup> , as well as FIPS201 [PIV Type A & B], TWIC and CAC credentials).	

<sup>1</sup> Spacer included standard for installations on metal.

<sup>2</sup> Linear power supplies are recommended for best operation.

<sup>3</sup> Tested using DC1-1 Delta Clamshell Contactless Smartcard with 12 VDC at the reader. Other credentials may be less.

<sup>4</sup> Self evaluated.

<sup>5</sup> For example Belden 9535 or similar.

<sup>6</sup> Available only on Delta6.4 model; 8-Bit Burst or 26-bit Wiegand standard, for 4-Bit Burst and other options please contact Farpointe.

<sup>7</sup> CSN = Card Serial Number

<sup>8</sup> Examples include, but are not limited to, DC1-1, DM1-3 and DK1-3.

Farpointe Data reserves the right to change specifications without notice.

232 Santa Ana Court  
Sunnyvale, CA 94085 USA  
Tel: +1-408-731-8700  
Email: support@farpointedata.com  
Website: www.farpointedata.com

  
Readers  Credentials