## Delta6.4

### 13.56 MHz Contactless Smartcard Reader + Keypad



**Application** - Compact design makes it ideal for applications requiring both a card reader and a keypad (PIN - Personal ID Number).

**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 Website: www.farpointedata.com



# Delta6.4

### 13.56 MHz Contactless Smartcard Reader + Keypad

#### Features and Specifications:

**Technology:** Contactless smartcard **Frequency:** 13.56 MHz

**Mounting¹:** Single-gang wall box, as well as flat

Dimensions 4.6 x 3 x 0.75 inches

surfaces (HxWxD): (117 x 76 x 19 mm)

**OEM Label Area** 0.9 x 0.35 inch (22.86 x 8.89 mm), with **Weight:** 4 oz. (113g) **Dimensions:** corner radius of 0.63 inch (16 mm)

**Certifications:** FCC, ICC, CE **IP Code:** IP67<sup>4</sup>

Voltage<sup>2</sup>: +5 - 14 VDC Current Draw: 175 mA typical @ 12 VDC

Read Range<sup>3</sup>: Up to 2 inches (51 mm) Cabling<sup>5</sup>: 24 AWG minimum, multi-conductor

stranded with an overall foil shield

Interface: Wiegand Operating -40° F to 149° F

ABA Track II Temperature:  $(-40^{\circ} \text{ C to } +65^{\circ} \text{ C})$ 

**Color Options:** A black snap-on cover included **Audio Tone:** Beeper included standard

standard

Indoor & Outdoor Electronics sealed in weather- and Warranty: Limited lifetime warranty

Installation: tamper-resistant epoxy potting

**LED:** Four-state standard (red, green, **Keypad Output<sup>6</sup>:** Wiegand

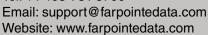
amber & off)

**Technologies Delta6.4-CSN:** Interoperable with CSN<sup>7</sup> only (may include ISO 14443 and ISO 15693 compliant **Supported:** credentials, as well as credentials making use of Mifare 1k & 4k, DESFire, UltraLight and Mifare Plus).

**Delta6.4-Sector:** Interoperable with CSN + Sector (may include Delta Card Sector<sup>8</sup>, as well as FIPS201 [PIV Type A & B], TWIC and CAC credentials).

Farpointe Data reserves the right to change specifications without notice.

232 Santa Ana Court Sunnyvale, CA 94085 USA Tel: +1-408-731-8700





<sup>&</sup>lt;sup>1</sup>Spacer included standard for metal installations

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

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

<sup>&</sup>lt;sup>4</sup> Self evaluated.

 $<sup>^{\</sup>rm 5}$  For example Belden 9535 or similar.

<sup>&</sup>lt;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>&</sup>lt;sup>7</sup> CSN = Card Serial Number

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