




DELTA3

CONTACTLESS SMARTCARD READER



Delta[®] Contactless Smartcard

 **Frequency:** 13.56 MHz
Read Range: Up to 1.5 inches (38 mm)



Optimized for MIFARE[®] DESFire[®] EV1 & EV2
Integrated High-Security Contactless Smartcard Support



MAXSecure[™]
Unique Security Feature



ValidID[™]
Fraudulent Data Detection Solution



Warranty
Lifetime Warranty



Wiegand or OSDP
Output Interface



Mullion Mount
Metal Door, Window Frames & Flat Surfaces

DELTA3 CONTACTLESS SMARTCARD READER

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 card serial number (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.

| Specifications | Delta3 |
|-------------------------------------|--|
| Technology | Contactless smartcard |
| Frequency | 13.56 MHz |
| Mounting ¹ | Mullions, including metal door and window frames, as well as flat surfaces |
| Dimensions | 1.7" W × 3.2" H × 0.7" D (43 mm × 81 mm × 18 mm) |
| OEM Label Area Dimensions | 0.9" W × 0.35" H (22.86 mm × 8.89 mm) with corner radius of 0.06" (1.5 mm) |
| Weight | 3 oz (85 g) |
| Certifications | FCC, ICC, CE |
| IP Code ² | IP67 |
| Voltage ³ | +8 – 14 VDC |
| Current Draw | 135 mA typical @ 12 VDC |
| Read Range ⁴ | Up to 1.5 inches (38 mm) |
| Cablings ⁵ | 24 AWG minimum, multiconductor 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, and off) |
| Technologies Supported ⁶ | <p>Delta3-CSN⁷: Supports CSN-only reading of certain credentials making use of ISO 14443 and ISO 15693 compliant protocols.</p> <p>Delta3-Sector: Supports CSN + Sector (may include Delta Card Sector⁸, as well as FIPS201 [PIV Type A], TWIC, and CAC credentials) reading of certain credentials making use of ISO 14443 and ISO 15693 compliant protocols.</p> |

NOTES:

- 1 Spacer included standard for installations on metal. Depending on environment, additional spacing may be required.
- 2 Self evaluated.
- 3 Linear power supplies are recommended for best operation.
- 4 Using DC1-1 Delta Clamshell Contactless Smartcard with 12 VDC at the reader. Other credentials may be less.
- 5 For example, Belden 9535 or similar, supporting the five conductors comprising the physical layer of the Wiegand interface (power, ground, data 0, data 1, and/or beeper and LED). Alternatively, Belden 9539 or similar, for all reader functions. Contact your access control system manufacturer for their specific requirements.
- 6 Technologies supported may include MIFARE® Classic, MIFARE® DESFire® EV1 & EV2, MIFARE UltraLight® and MIFARE® Plus, as well as other credential types.
- 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.

© 2018-2019 Farpointe Data, Inc. All rights reserved. Farpointe Data®, Pyramid Series Proximity®, Delta®, Ranger®, and CONEKT® are the registered U.S. trademarks of Farpointe Data, Inc. MIFARE, MIFARE DESFire, MIFARE UltraLight, and MIFARE Plus are registered trademarks of NXP B.V. All other trademarks are the property of their respective owners.

Farpointe Data, Inc.
 2195 Zanker Road
 San Jose, CA 95131 USA
 Office: +1-408-731-8700
 Fax: +1-408-731-8705
 support@farpointedata.com

