



DELTA6.4

CONTACTLESS SMARTCARD READER AND KEYPAD



Delta[®] Contactless Smartcard



Frequency: 13.56 MHz
Read Range: Up to 2 inches (51 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, ABA Track II Magnetic Stripe or OSDP*
Output Interface



U.S. Single-Gang Wall-Box Mount
Box & Flat Surfaces

*OSDP readers are independent models and need to be appended with the suffix "-OSDP" when ordering (Example: Delta6.4-OSDP).

DELTA6.4 CONTACTLESS SMARTCARD READER AND KEYPAD

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 either the legacy Wiegand and ABA Track II magnetic stripe formats, or the latest bi-directional Open Supervised Device Protocol (OSDP). 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	Delta6.4
Technology	Contactless smartcard
Frequency	13.56 MHz
Mounting ¹	Single-gang wall box, as well as flat surfaces
Dimensions	3" W × 4.6" H × 0.75" D (76 mm × 117 mm × 19 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	4 oz (113 g)
Certifications	FCC, ICC, CE
IP Code ²	IP67
Voltage ³	+8 to 14 VDC
Current Draw	175 mA typical @ 12 VDC
Read Range ⁴	Up to 2 inches (51 mm)
Cabling ⁵	24 AWG minimum, multiconductor stranded with an overall foil shield
Interface	Wiegand (26-bit and custom formats), ABA Track II magnetic stripe (clock and data) or OSDP ⁶
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)
Keypad Output	Either Wiegand ⁷ or OSDP ⁶
Technologies Supported ⁸	<p>Delta6.4-CSN⁹: Supports CSN-only reading of certain credentials making use of ISO 14443 and ISO 15693 compliant protocols.</p> <p>Delta6.4-Sector: Supports CSN + Sector (may include Delta Card Sector¹⁰, 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:

- Spacer included standard for installations on metal. Depending on environment, additional spacing may be required.
- Independently tested and verified by Intertek.
- Linear power supplies are recommended for best operation.
- Using DC1-1 Delta Clamshell Contactless Smartcard with 12 VDC at the reader. Other credentials may be less.
- 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. Shielded, twisted pair (Belden 8723 or similar) for OSDP. Contact your access control system manufacturer for their specific requirements.
- OSDP readers are independent models and need to be appended with the suffix "-OSDP" when ordering (Example: Delta6.4-OSDP).
- 8-Bit Burst or 26-bit Wiegand standard. For 4-Bit Burst and other options, please contact Farpointe.
- Technologies supported may include MIFARE® Classic, MIFARE® DESFire® EV1 & EV2, MIFARE UltraLight® and MIFARE® Plus, as well as other credential types.
- CSN = Card Serial Number.
- Examples include, but are not limited to, DC1-1, DM1-3, and DK1-3.

For proper PIN security with keypad readers, please review our [PIN Best Practices Reference Document](#).

Farpointe Data reserves the right to change specifications without notice.

© 2012-2021 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



Apr-27-2021

www.farpointedata.com

P/N: 01123-001 · Rev. 2