Farpointe Data

Readers ◉ Cards ◉ Tags

FARPOINTE WHO?

Farpointe Data is made up of the original team that brought you Indala Technology before it was sold to Motorola in the mid 90's. In fact we have been innovating and developing proximity readers & RFID technologies for over 20 years. Our core philosophy of empowering our partners with our products to have control over their own business channels. This approach has made us the Access Control OEM's partner of choice! We don't make access control systems, we don't make door controllers, we just make readers and credentials. All of our Readers are multi-technology, so the customers can have an "open" approach to business whilst maintaining the peace of mind of having Farpointe's high security advantages!

Our continued innovation and reputation for exceptional service and reliable products has seen Farpointe grow to become the largest independent Reader and Card Manufacturer in the industry. Why not join the 100's of customers throughout the world who have joined our technology revolution. **UPGRADE TO FARPOINTE** today!

PYRAMID™ SERIES PROXIMITY

Pyramid Series Proximity®, from Farpointe Data, sets the new benchmark for reliable and installable 125-kHz OEM proximity readers, cards, and tags. Based upon proven contactless digital radio frequency identification (RFID) technology, Pyramid Series assures compatibility with the widest range of standard electronic access control systems by making use of industry standard interfaces, such as the Wiegand format. Further, the line offers unique Pyramid-only features, such as MAXSecure™ and fleaPower™. And finally, Pyramid Series offers the option of HID® or AWID® compatibility.

BUILT TO LAST
Farpointe Pyramid Series all have a lifetime warranty and are so robust that they are the only readers in the industry with an IP-67 rating! That means not only will the readers take the heaviest of rain and the worst of weather, but in the event of flooding, our readers can take temporary submersion!

FLEAPOWER™
fleaPower™ is Farpointe's own eco friendly "green technology" designed to help conserve the environment and reducing energy costs. The way we like to think about is; would you leave a light bulb on overnight? Readers stay on 24 hours a day 7 days a week. This energy reduction will result in long term energy savings. Also, in emergency situations our fleaPower™ enabled readers can be powered much longer by back-up batteries.

MAXSECURE™
MAXSecure™ is a security feature available only with Farpointe's Pyramid Series Proximity line and Delta Multi-Technology Smartcard Readers. MAXSecure™ integrates a high-security handshake, or code, between card, tag and reader to prevent credential duplication and ensure that your readers will only collect data from your MAXSecure™ coded credentials

PYRAMID™ SERIES PROXIMITY READERS
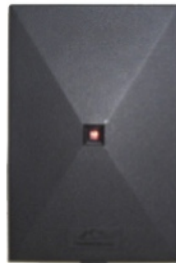
CASCADE PROXIMITY READER
Single Piece, Mullion (Doorframe) Mount,
Includes Black & White Covers.
Range up to 6" (152mm)
Part Number: P-300
HID Compatible (P300H)
AWID Compatible (P300A)

ALPS PROXIMITY READER
Single Piece, Wall (US Single Gang Box)
Mount, Includes Black & White Covers.

Range up to 8" (203mm)
Part Number: P-500
HID Compatible (P500H)
AWID Compatible (P500A)

EUROMOUNT PROXIMITY READER
Single Piece, Wall (European & Asian Single
Gang Box) Mount, Includes Black & White
Covers. Range up to 6" (152mm)
Part Number: P-530
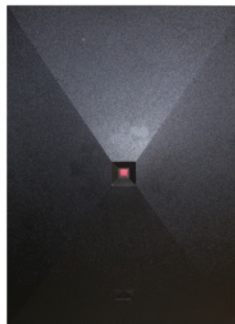**HID Compatible (P530H)**
AWID Compatible (P530A)

PATAGONIA PROXIMITY READER
Single Piece, Reader & Backlit Keypad
Combination, Includes Black & White
Covers. Range up to 6" (152mm)
Part Number: P-640
HID Compatible (P640H)
AWID Compatible (P640A)

YUKON PROXIMITY READER
Single Piece, Medium Range, Black Cover
Only. Range up to 14" (356mm)
Part Number: P-700
HID Compatible (P640H)
AWID Compatible (P640A)

COMING SOON
Single Piece, Medium Range, Black Cover
Only. Range up to 18" (457mm)
Part Number: P-700BH
HID Compatible (P640H)
AWID Compatible (P640A)

COMING SOON
Single Piece, Long Range, Black Cover Only.
Range up to 24" (610mm)

Part Number: P-900
HID Compatible (P640H)
AWID Compatible (P640A)

GIBRALTAR PROXIMITY READER
Single Piece, Ultimate Vandal Resistance,
Wall Mount, Stainless Steel & Fiber-Tex®
Construction. Range up to 1" (25mm)
Part Number: P-400
HID Compatible (P640H)
AWID Compatible (P640A)

MOTOROLA COMPATIBLE READER
Single Piece, Mullion (Doorframe) Mount.
Compatible with Motorola/Indala ASP 26 bit
Wiegand credentials. Range up to
4" (102mm)
Part Number: MCR-403

PYRAMID™ CREDENTIALS

Standard Light Proximity Card
"Clamshell" Style Credential, Dye Sublimation Printable with Overlay
Part Number: PSC-1

Image Technology Proximity Card
Durable PVC Credential, .046 inches Thick ±.002 (1.17mm ±.05), Dye Sublimation Printable
Part Number: PSI-4

Multi Technology Proximity Card
ISO-Thin Credential, .031 inches Thick ±. 002 (.78mm ±.05), Dye Sublimation Printable
Part Number: PSM-2P

Multi Technology Proximity Card with Magnetic Stripe
ISO-Thin Credential, .031 inches Thick ±. 002 (.78mm ±.05), Dye Sublimation Printable, Includes 3-Track Magnetic Stripe
Part Number PSM-2S

Proximity Key Ring Tag
Small "Fob" Style Credential, Attaches to Key Ring, Includes Brass Eyelet
Part Number: PSK-3

Delta™ Contactless Smartcard Readers and Cards

Delta™ is Farpointe's line of 13.56-mHz contactless smartcard readers and cards. A true multi-technology platform, Delta™ readers feature card adaptive technology, allowing them to read a wide range of credentials, including 13.56-mHz US Government FIPS201 cards, ISO 14443 Type A & B cards, Mifare secure sector and card serial number (CSN), as well as 125-kHz Pyramid Series Proximity® cards and tags.

As an optional feature the Delta readers may be configured to be HID and AWID compatible (125-kHz proximity technology only).

Delta™ is THE secure Smartcard solution for the Security Industry……..
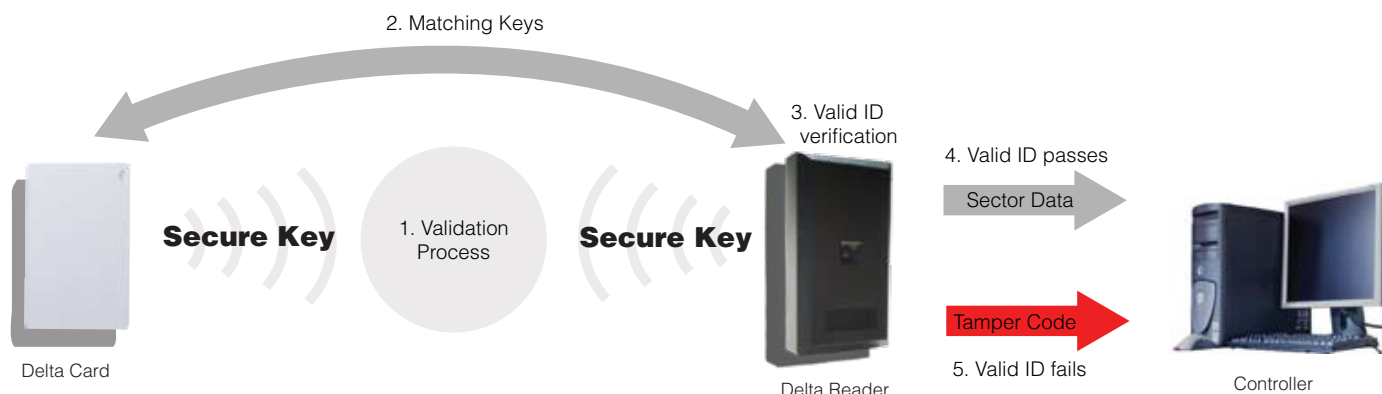
Delta™ technology employs Farpointe's Valid ID™ technology (see page 7) to identify and reject counterfeit or unofficially modified smartcards from your security solution. This exciting development is outside of Mifare's own sector security and its application ensures that the Delta solution exceeds the security requirements of any projects you undertake.

Farpointe Data

Valid ID™ Overview

Valid ID is a new anti-tamper feature available with Farpointe Data's Delta™ Contactless Smartcard Readers, Cards and Tags. At manufacture Delta readers, cards and tags are programmed with Farpointe's Valid ID algorithm, cryptographically ensuring the integrity of the sensitive access control data stored on a Delta card or tag. With Valid ID, Delta readers scan through a Delta credential's access control data searching for data discrepancies, which may occur during the counterfeiting, tampering or hacking of a contactless smartcard. Valid ID is an additional layer of protection to Mifare encryption, operating independently and in addition to this standard level of security. In use, Valid ID allows a Delta reader to effectively verify that the sensitive access control data programmed to a Delta card or tag is not counterfeit.

Valid ID does not affect card serial number (CSN) reading.

Upgrade security, Upgrade to Farpointe!

2. Matching Keys

3. Valid ID verification

4. Valid ID passes

Sector Data

Secure Key   1. Validation Process   Secure Key

Tamper Code

5. Valid ID fails

Delta Card

Delta Reader

Controller

Valid ID Process

Mifare validation process (first layer of protection)
1. Delta Reader and Card exchange and compare standard-security Mifare keys.
2. Keys match, reader collects Delta card's access control data.

Valid ID (second layer of protection)
3. Delta Reader performs Valid ID cryptographic algorithm to confirm the integrity of the Farpointe-programmed access control data.
4. Valid ID validates Farpointe-programmed access control data; Delta Reader outputs the access control data.
5. Valid ID repudiates access control data, indicating the presence of tampering; Delta Reader outputs tamper code blocking counterfeit access control data.

Delta™ Contactless Smartcard Readers and Cards

Delta3 Multi-Technology Contactless Smartcard Reader
Single Piece, Mullion (Doorframe) Mount, Includes Standoff & Black Cover.
Part Number: Delta3
Read Range: 13.56Mhz = 2" (510mm)
125Khz = 3" (760mm)

Delta5 Multi-Technology Contactless Smartcard Reader
Single Piece, Wall (Single Gang Box) Mount,

Includes Standoff & Black Cover
Part Number: Delta5
Read Range: 13.56Mhz = 3.5" (890mm)
125Khz = 3.25" (830mm)

Delta5.3 Multi-Technology Contactless Smartcard Reader
Single Piece, Wall (European & Asian Single Gang Box) Mount, Includes Mounting

Template & Black Cover
Part Number: Delta5.3
Read Range: 13.56Mhz = 2" (510mm)
125Khz = 3" (760mm)

Delta6.4 Multi-Technology Contactless Smartcard Reader & Keypad
Single Piece, Reader & Backlit Keypad Combination, (Single Gang Box) Mount,

Includes Standoff & Black Cover
Part Number: Delta6.4
Read Range: 13.56Mhz = 3" (760mm)
125Khz = 3" (760mm)

Delta Multi-Technology ISO 1K Contactless Smartcard
ISO-Style Thin Credential, Dye Sublimation Printable, 1kByte Memory
Part Number DM1-3C

Delta Multi-Technology ISO 1K Contactless Smartcard with Magnetic Stripe
ISO-Style Thin Credential, Dye Sublimation Printable, 3-Track Magnetic Stripe, 1-kByte Memory
Part Number: DM1-3S

Delta Combi-Frequency ISO 1K Contactless Smartcard
ISO-Thin Credential, Dye Sublimation Printable, 13.56-mHz (1-kByte Memory) & 125-kHz Operation
Part Number: DC1-3C

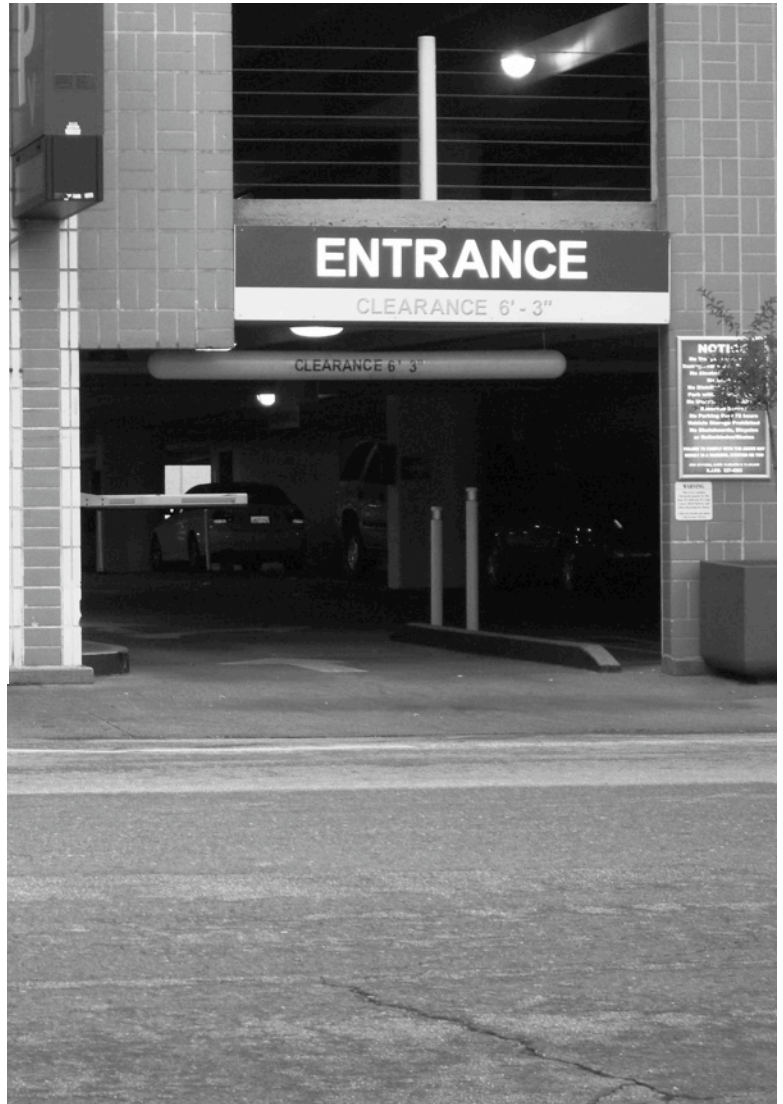**Delta Combi-Frequency ISO 1K Contactless Smartcard with Magnetic Stripe**

ISO-Thin Credential, Dye Sublimation Printable, 13.56-mHz (1-kByte Memory) & 125-kHz Operation with Magnetic Stripe

Part Number: DC1-3S

RANGER™
Long Range Transmitter and Receiver.

Ranger™ Long Range Transmitters and Receivers comprise Farpointe Data's long range radio frequency identification (RFID) solution, offering exceptionally long and secure transmission ranges of up to 150-feet (45 m). At the click of a button users will find Ranger™ to be ideal for a host of electronic access control demanding applications, such as opening parking gates, raising and lowering vehicle barriers, and sliding open doors, as well as those applications requiring emergency duress. And like a proximity tag, each Ranger™ Transmitter may also be used as a short range proximity credential, compatible with the entire range of Pyramid Series Proximity™ readers.

Ranger Receiver
Single Piece, Wall (US or European Single Gang Box) Mount, Two Channel (A or B) with Two Wiegand Outputs per Channel

Part Number: WRR-42

Ranger Long Range Transmitter
'Clicker' Credential, 1-Button, Includes Key Chain
Part Number: WRT-1

Ranger Long Range Transmitter
'Clicker' Credential, 4-Button, Includes Key Chain
Part Number: WRT-4

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R e a d e r s ◉ C a r d s ◉ T a g s