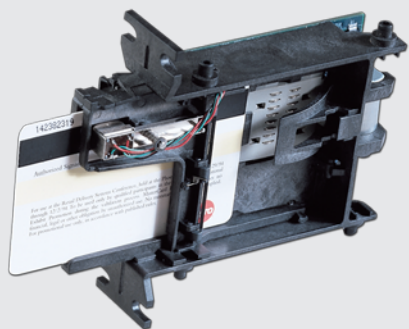




FS65 Series

Full-Size Magnetic Stripe Card Readers



The FS65 not only excels in applications for unattended transactions, it also integrates a magnetic card reader with a smart card reader in a modular and compact design.

It includes robust smart card contacts designed for 1,000,000 insertions. The rugged and corrosion-resistant design, made with durable plastics, is ideal for outdoor environments—specifically unattended payment transaction applications such as slot or gaming machines, gas pumps, vending machines, kiosks, payphones, and value-load stations.

Magnetic and Smart Card Support

- Reads up to three tracks of ISO compatible magnetic card data
- Delivers the highest read accuracy and reliability in the industry
- EMV 4.0 Level 1 approved
- Eight smart card contacts designed for 1,000,000 insertions
- Supports ISO 7816-3 T=0 and T=1 microprocessor cards and popular memory cards

Optional Contactless Smart Card Support

- Contactless MIFARE, MasterCard PayPass, Visa payWave, and American Express Expresspay interfaces
- Full ISO 14443 Type A and B support

Vandal and Fraud Protection

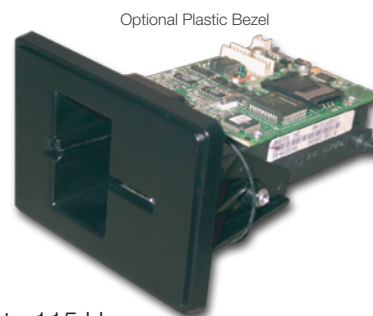
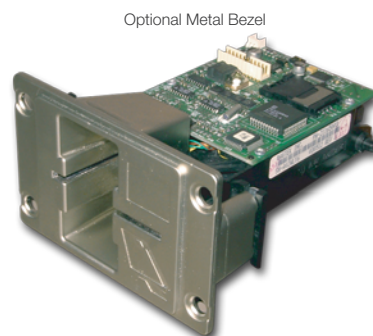
- Vandal resistant chassis incorporates coin and “half-card” dropout clearance
- Optional security gate protects against debris and other environmental contaminants

Interface

- Intelligent, command-driven RS-232 and USB interfaces
- Supports high speed microprocessor smart card interface, with data transfer rates up to 115 kbps
- Integrated single-socket onboard Security Authentication Module (SAM) security

Mechanical

- Optional card latch/lock with automatic latch/lock release system in case of power failure
- Multiple mounting options for easy mechanical integration
- Available with multiple optional plastic and metal bezels



Technical Data

Mag-Stripe Functions	<ul style="list-style-type: none"> • ISO/AAMVA • ISO 7810, 7811
Smart Card Functions	<ul style="list-style-type: none"> • ISO 1443 T=0 and T=1 protocols • Many popular memory cards • EMVCo Level 1 approved
Card Speed	<ul style="list-style-type: none"> • 3 to 50 inches per second (7.62 to 127 cm/s)
Recording Method	<ul style="list-style-type: none"> • Two-frequency coherent phase (F2F)
MTBF	<ul style="list-style-type: none"> • Electronics: 125,000 hours • Head: 1,000,000 passes (500,000 insertion cycles) • SC contacts: 1,000,000 insertions
Host Interfaces	<ul style="list-style-type: none"> • RS-232 and USB
Input Voltage	<ul style="list-style-type: none"> • 12 V DC $\pm 5\%$
Current	<ul style="list-style-type: none"> • 500 mA maximum • 100 mA typical
Dimensions	<ul style="list-style-type: none"> • Length: 4.7 in (119.4 mm) • Width: 2.6 in (66 mm, without mounting bases or flanges) • Height: 1.4 in (35.6 mm) • Mounting depth: 3.8 in (96.5 mm, when mounted with front flanges)
Temperature	<ul style="list-style-type: none"> • Operating: 32 °F to 122 °F (0 °C to 50 °C) • Storage: -40 °F to 158 °F (-40 °C to 70 °C)
Humidity	<ul style="list-style-type: none"> • Operating: 5% to 95% noncondensing • Storage: 5% to 95% noncondensing

Readers

CardLogix P/N	Smart Contact	Smart Contactless	Magnetic Stripe	Latch	Gate	SAM	Bezel
8300157	•		•	•	•	•	I Plastic ¹
8300158	•		•			•	None
8300159	•		•				NA Plastic ²
8300160	•		•	•	•	•	NA Plastic ²
8300161	•		•	•	•	•	Metal
8300162	•	•	•	•	•	•	NA Plastic ²

¹ International Plastic, ² North American Plastic options.

Please contact your salesperson for additional bezel and protocol options.

Accessories

CardLogix P/N	Description
8300163	Mini-B to A USB cable harness, black
8300164	RS-232 (DB9) cable harness, grey
8300165	Power supply
8300166	Power cord for North American applications