

Xpress™ 100

Contactless Smart Card Reader Preliminary Overview

READS CONTACTLESS CARDS

The ID TECH Xpress 100 supports retail applications for quick, convenient purchases where customer queuing must be minimized. It supports financial association requirements for contactless payments. Customers hold their card or key fob near the reader's face to initiate a purchase transaction. The area is clearly identified by the Contactless Symbol. Four LEDs provide easy visibility for cardholder and assurance of card acceptance.

SMALL FOOTPRINT SAVES COUNTER SPACE

The reader has a small footprint to maximize counter top space. A mounting base adds to the reader's mounting flexibility by providing both height and tilt adjustments of the Xpress 100 module. The base supports hook-n-Loop strips and contains threaded inserts, which can be used for secure mounting. If countertop mounting is not convenient, the reader module can be removed from its base and attached to a transaction terminal or a vertical surface. The extended temperature reader may be used outside in semi-protected areas such as "covered" fast food drive-through lanes.

COMPLIANT TO INDUSTRY STANDARDS

The reader accepts data from a variety of contactless sources, including credit cards and key fobs. The Xpress 100 complies with ISO/IEC 14443 Implementation Specifications. Both Type A & B modulation standards are supported. The reader face provides an overlay with the Contactless Symbol and area for logos and identification. Direct serial connection to ECR systems and POS terminals, allows personalized communication for applications such as e-coupons and other support applications.

Features:

- Interfaces: RS232 & USB-CDC
- Complies with ISO/IEC 14443 A&B
- Complies with MasterCard PayPass, American Express ExpressPay, Visa Contactless (MSD) and Discover Cards
- SDK and API are available
- Small footprint to maximize counter space
- Adjustable reader height & angles
- The reader can be attached to an existing transaction terminal or to a vertical surface
- 4 LEDs and beeper indicate a successfully read operation
- Customized overlay on landing plane



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IDCA-6XXX Xpress 100 Contactless Reader Specifications

Performance

Data Reading ISO – 14443 Type A & B contactless
Media Distance up to 6cm from Contactless Symbol in Landing Plane

Electrical

Power Requirement: +9VDC \pm 10%, 100mAmps
Power Adapter: Rated at 9VDC Un-regulated, 2.1mm power jack, center Positive
Interface Cable: 6.0' cable, RS232 with RJ45 connector & power jack or USB-A Plug
Interface Type:
RS232: Communication speed: 1200 through 57600 bps
USB: USB/CDC version, USB 2.0, full speed, driver provided

Environmental

Temperature range (Indoor)

Operating 0 to 70°C
Storage -40 to 70°C
Relative humidity 20 to 90% non-condensing

Extended Temperature range (Optional)

Operating -20 to 70°C
Storage -40 to 70°C
Relative humidity 15 to 95% non-condensing

Mechanical

Mounting Angle: 30 to 90 degrees to mounting surface
Mounting type: 3M threaded inserts or Hook & Loop fasteners

Reliability

MTBF: 160,000 POH for a fully configured unit
Agencies: FCC Class A, CE, and UL
ESD: 8KV on reader body without resetting, 12KV through air



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