

pcProx[®] 125 kHz & AIR ID[®] 13.56 MHz Card Analyzer



Intelligent portable Card Analyzers for determination of proximity & contactless smart cards

Overview

The pcProx 125 kHz and AIR ID 13.56 MHz Card Analyzer line of products are intelligent portable tools utilized for the determination of proximity and contactless smart cards. The Card Analyzers identify the card technology and determine compatible RF IDEas readers.

These Card Analyzers help users, solutions providers, and hardware/software integrators quickly and accurately determine what card technology is currently in use. They report the correct RF IDEas reader part number, card size, and ID in hexadecimal. Like RF IDEas' pcProx Enroll and AIR ID Enroll readers, the Card Analyzers support more than 30 different card types and hundreds of millions of cards in use worldwide.

The Card Analyzer checks across all known supported cards and send the results as keystrokes to a text editor, such as Microsoft[®] Notepad. No software is required. The analyzer is compatible with nearly all computer operating systems that support USB keyboard devices.

The pcProx and AIR ID Card Analyzer lines are designed in the USB dongle form factor for compactness and portability. Each version is also color-coded in translucent housings to distinguish them from each other. A kit is available that includes one pcProx 125 kHz and one AIR ID 13.56 MHz Card Analyzer to ensure card identification regardless of frequency.

Please note: The AIR ID 13.56 MHz Card Analyzer is not able to secure sector or page reads. RF IDEas offers AIR ID Writers and Playback readers that can perform sector/page reads. Please see: AIR ID Readers for sector/page reader details.

Applications

- On-site identification of proximity or contactless card technology
- Verification of card function
- Determines compatible RF IDEas readers

Card Analyzer

Features

Easy interface: The units connect directly to USB ports and send card type and ID data in hex, as keystrokes.

Compatibility: Compatible with computers supporting USB keyboards running Windows CE®, Windows 2000®, Windows XP®, Windows Vista®, Windows 7®, Linux, and Macintosh®.

pcProx 125 kHz

Supported Cards—Partial List

AWID	*1Cardax
Casi-Rusco®	*1Deister
EM410X/Rosslare	*1G-Prox™ II
HID®	*Hitag 1, S
*1Hitag 2	Honeywell Nexwatch
*1IDTECK/RF Logics	Indala® 26 bit
Indala® Custom	Kantech ioProx™
*Keri Systems	*ReadyKey Pro
*1SecuraKey RadioKey®	

AIR ID 13.56 MHz

Supported Cards—Partial List

14443A/15693 CSN	*Felica
iCLASS® CSN	MIFARE® CSN
MIFARE® DesFire CSN	*1Sielox
*1XceedID®	

*Validation with referenced manufacturer data pending

*1Currently in implementation

Output

Below is a representation of an HID® format output. Other formats will have different models displayed.

```
Readers compatible with this card:
RDR-6081AKU Black Reader
RDR-6081APU Pearl Reader
KT-6081AKU Black Reader w/mounting kit
KT-6081APU Black Reader w/mounting kit

Card Size/Data: 26 Bits/0x3F9CDEE
.....
Analysis Complete
Press Scroll Lock or Caps Lock to start analysis.
```

Please feel free to call, e-mail, or visit our website for a full list of applications, products, configuration options, supported cards and form factor specifications. Our website includes application videos, support materials, case studies, and detailed information about our product line.

RFID EAS

Single Badge Solutions for Identification and Access

Specifications

Typical maximum read range:

1.0" – 3.0" (2.5 – 7.6cm) dependent upon proximity/contactless card type and environmental conditions

Dimensions: 2.875" x 1.0"

Weight: 0.5 oz (14.17g)

Power supply: Self-powered

Indicators: Tri-state LED, beeper

Transmit frequency: 125 kHz for pcProx Card Analyzer, 13.56 MHz for AIR ID Card Analyzer

Operating temperature range: -22° to 150°F (-30° to 65°C)

Operating humidity range: 5% to 95% relative humidity, non-condensing

Storage temperature range: -40° to 185°F (-40° to 85°C)

Interface: USB Dongle

Colors: Translucent Red, Translucent Blue

Certifications: FCC, United States; CE Mark Europe, C-tic Australia, RoHS

Warranty: One year for material/workmanship defects; see complete policy for details.

Patents pending.

Part Numbers

Card Determination Readers

Type	Part Number
125 kHz	RDR-6XD8ARU
13.56 MHz	RDR-7XD8ABU
Kit	KT-CARDANALYZER

Kit includes one pcProx 125 kHz Card Analyzer and one AIR ID 13.56 MHz Card Analyzer.

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