ACR1281S-C1

Dual Interface Reader

Specification

Physical Characteristics	
Dimensions	120.5 mm (L) × 72 mm (W) × 20.4 mm (H)
Weight	140 g
Colors	Black

USB Host Interface	
Protocol	Serial RS-232
Connector Type	DB9 Connector
Power Source	From USB port
Speed	9.6 Kbps (default) up to 230.4 Kbps
Supply Voltage	5 V
Supply Current	Max. 200 mA
Cable Length	1.5 m, Fixed (DB9 + USB)

Contactless Smart Card Interface	
Standard	ISO 14443 A and B Parts 1-4
Protocol	ISO 14443 T=CL for ISO 14443-4–compliant cards
	T=CL Emulation for MIFARE Classic
Operating Frequency	13.56 MHz
Operating Distance	Up to 50 mm (depending on tag type)
Smart Card Read/Write Speed	106 Kbps, 212 Kbps, 424 Kbps, 848 Kbps
Antenna Size	65 mm × 60 mm

Contact Smart Card Interface	
Number of Slot	1 Full-sized Card Slot
Standard	ISO 7816 Parts 1-4, Class A, B, C (5 V, 3 V, 1.8 V)
Protocol	T=0; T=1; Memory Card Support
Supply Current	Max. 50 mA
Smart Card Read/Write Speed	9.6 Kbps – 600 Kbps

Short Circuit Protection .... (+5) V/GND on all pins
Clock Frequency .... 4.8 MHz
Card Connector Type..................... Contact
Card Insertion Cycles..................... Min. 100,000

SAM Card Interface

Number of Slot .... 1 Standard SIM-sized Card Slot
Standard .... ISO 7816, Class A (5 V)
Protocol.. T=0; T=1
Card Connector Type.................... SAM Slot 0: Contact

Built-in Peripheral

LED... 2 single-color: Red and Green
Buzzer.. Monotone

Other Features

Firmware Upgrade .... Supported

Application Programming Interface

PC-linked Mode............................. PC/SC
.... CT-API (through wrapper on top of PC/SC)

Operating Conditions

Temperature .... 0 °C – 60 °C
Humidity .... Max. 90% (non-condensing)
MTBF .... 500,000 hrs

Certifications/Compliance

ISO 14443, ISO 7816, CE, FCC, RoHS

Device Driver Operating System Support

Windows® XP, Windows® VistaTM, Windows® 7, Windows® 8, Windows® 8.1, Windows®
10, Windows® Server 2003, Windows® Server 2008, Windows® Server 2008 R2,
Windows® Server 2012, Windows® Server 2012 R2, Windows® Server 2016 Linux®

บริษัท อีซี คอนเนคชั่น จำกัด
Tel. 090-401-1144, 02-910-0411
LINE @econnec