



Bluetooth Contact Card Reader ACR3901U-S1

Introduction

ACR3901U-S1 Bluetooth Smart Card Reader combines the latest technology in the world of smart card readers with Bluetooth connectivity. This compact and wireless smart card reader brings together sophisticated technology with fresh design to meet different requirements in various smart card-based applications using Bluetooth-enabled devices, such as smart phones and tablets.

Features

- USB 2.0 Full Speed Interface
- Bluetooth Low Energy (LE) 4.0 Interface
- Plug and Play – CCID support brings utmost mobility*
- USB Firmware Upgradeability
- Smart Card Reader:
 - Supports ISO 7816 Class A, B and C (5 V, 3 V, 1.8 V) cards
 - Supports microprocessor cards with T=0 or T=1 protocol
 - Supports memory cards
 - Supports PPS (Protocol and Parameters Selection)
 - Features Short Circuit Protection
- Application Programming Interface:
 - Supports PC/SC*
 - Supports CT-API (through wrapper on top of PC/SC)
- Compliant with the following standards:
 - EN60950/IEC 60950
 - ISO7816
 - CE
 - FCC
 - VCCI
 - PC/SC
 - CCID
 - EMV 2000 Level 1
 - Bluetooth QDL
 - Microsoft® WHQL
 - RoHS
 - REACH

Specification

Universal Serial Bus interface	
Type	USB full speed, four lines: +5V, GND, D+ and D-

Power source	From USB
Speed	12 Mbps
Firmware	Upgradeable through USB interface
Bluetooth interface	
Type	Bluetooth low energy 4.0 Co
Power Source	From battery
Speed	1 Mbps (on-air data rate)
Smart card interface	
Standard	ISO 7816 Class A, B and C (5 V, 3 V, 1.8 V), T=0 and T=1
Supply Current.	Max. 50 mA
Smart Card Read/Write Speed	Max. 600,000 bps
Short Circuit Protection	+5 V/GND on all pins
CLK Frequency	4.8 MHz
Card Connector	Contact
Card Insertion Cycles	Min. 100,000
Physical Specifications	
Dimensions	94.0 mm (L) x 60.0 mm (W) x 12.0 mm (H)
Color	Gray, White
Weight	30.5 g (± 5 g allowance for cable)
Cable length, cord, connector	1.5 meters, Fixed (detachable), USB A
Operating Conditions	
Temperature	0-50。 C
Humidity	10% - 90% Stan
MIBF	500,000 hrs.
Application Programming Interface	PC/SC CT-API (through wrapper on top of PC/SC)
Certifications/Compliance	EN60950/IEC 60950, ISO 7816, CE, FCC, VCCI, PC/SC, CCID, EMV 2000 Level 1, RoHS, REACH, USB Full Speed, Bluetooth Smart Microsoft® WHQL Windows® 2000, Windows® XP, Windows Vista®, Windows® 7, Windows® 8, Windows® 8.1, Windows® Server 2003, Windows® Server 2008, Windows® Server 2008 R2, Windows® Server 2012, Windows® Server 2012 R2
Device Driver Operating System Support	Windows® CE, Windows® 98, Windows® ME, Windows® 2000, Windows® XP, Windows Vista®, Windows® 7, Windows® 8, Windows® 8.1, Windows® Server 2003, Windows® Server 2003 R2, Windows® Server 2008, Windows® Server 2008 R2, Windows® Server 2012, Windows® Server 2012 R2 Linux®, Mac OS®, Android™*



Picture

