

ACR39U-H1

Smart Card Reader



Specification

Physical Characteristics

Dimensions	71.5 mm (L) × 80.0 mm (W) × 80.0 mm (H)
Weight.....	174 g (± 5 g allowance for cable)
Color	White

USB Host Interface

Protocol.....	USB CCID
Connector Type.....	Standard USB Type A
Power Source.....	From USB port
Speed.....	USB Full Speed (12 Mbps)
Supply Voltage.....	5 V
Cable Length.....	1.5 m (Fixed)

Contact Smart Card Interface

Number of Slots	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
.....	Landing (optional)
Card Insertion Cycles.....	Min. 100,000
.....	Min. 200,000 (for landing connector)

Built-in Peripheral

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

EN 60950/IEC 60950, ISO 7816, USB Full Speed, EMV™ Level 1 (Contact), PC/SC, CCID, CE, FCC, WEEE, RoHS, REACH, TAA (USA), J-LIS (Japan), VCCI (Japan), PBOC (China), Microsoft® WHQL

Device Driver Operating System Support

Windows® XP, Windows Vista®, 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®, Mac OS®,
 Android™ 3.1 and later

บริษัท อีซี คอนเนคชั่น จำกัด

Tel. 090-401-1144, 02-910-0411



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