

# ACR39U-N1

## Smart Card Reader



## Specification

### Physical Characteristics

Dimensions .....	58.0 mm (L) × 20.0 mm (W) × 13.7 mm (H)
Weight.....	12 g
Color .....	White

### USB Host Interface

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

### 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

### Built-in Peripheral

LED.....	Green
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### Application Programming Interface

PC-linked Mode.....	PC/SC
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..... 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®,  
Solaris, Android™ 3.1 and later

บริษัท อีซี คอนเนคชั่น จำกัด

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



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