

Contact Smart Card Reader DCR38-UC

General

DCR38-UC is the ideal PC-linked USB contact smart card reader for a huge variety of mobile applications. Providing full compliance with all major industry standards, such as ISO/IEC 7816, USB CCID, PC/SC, and Microsoft WHQL, DCR38-UC works seamlessly with virtually all contact smart cards and PC operating systems. DCR38-UC is also the first smart card reader in the industry that offers the reversible type C connector, improving on-the-go user experience.

With its ultra-compact yet reliable Identiv design and mechanical functionality, it is the ideal travel companion for mobile users requiring the same level of data protection as is required for desktop applications. The extended card data transmission rate of up to 600 kbps with the support of TA1=97 enables the shortest possible transaction time for maximum end-user convenience. The Identiv-specific SmartOS™ features easy and complete support of all major contact smart cards. The Identiv driver platform, as well as the Windows® Plug-and-Play driver support, allow seamless integration into any end-user environment with very little or no administration.

With DCR38-UC, the end user experiences convenience, transaction-time efficiency, security, and reliability for applications such as network login, Windows authentication and Single Sign-On (SSO), banking and cashless payment applications, as well as high-security use cases for federal governments.
(Type C Reversible USB Connector)

Features

- Reversible USB type C connector, popular with new laptops and mobile devices
- Supports all major smart card ICs and technologies in just one device
- FAST
- Transaction time optimized for maximum end-user acceptance
- Ultra-compact and robust design streamlined for mobile operation
- SMARTOS™ POWERED

Specification

Host Interface	USB TYPE C Full speed (12Mbps)
Smart Card Interface	

Supported Standards	ISO/IEC 7816 Part 1 to 4 EMV 2011 Ver 4.3 Level 1
Supported Tag ICs	All major ISO/IEC 7816 compliant Smart Card IC support
Smart Card Protocols	T=0, T=1
Smart Card Interface Speed	Up to 600 kbps (depending on card) TA1=97
Smart Card Clock Frequency	ISO/IEC 7816 compliant; Operates up to 16 MHz
Supported Smart Card Types	5V, 3V, and 1.8V, ISO/IEC 7816 Class A/B/C
Power to Smart Card	60mA in Class A; 55mA in Class B; 35mA in Class C
Smart Card Detection	Card present switch Automatic power on/off Short circuit protection
Card Size	ID-1 or ID-4
Contact Type	Sliding Contact Socket (ID-1 8 pin or ID-4 6 pin)
Driver and Software	
PC/SC Driver	PC/SC Specification Ver. 2.01.14 for: Windows® XP/Vista/7/8/10 (32 and 64 bit); Windows® Server 2003/2008/2012; Windows® CE 6.0/7.0 MacOS 10.5.x, - 10.15.x Linux 2.4.x, 2.6.x, 3.x, 4.x, 5.x (32 and 64 bit) Android 4.0 and higher
Software	PC/SC API CT-API (through wrapper on top of PC/SC)
Operating Conditions	
Power Supply	Bus-powered USB
Power Consumption	< 6mA, excluding smart card; <500µA in standby mode
Dimensions	49 x 22 x 13.5 mm
Weight	15g
Operating Temperature Range	0° to 50°C (32° to 122°F)
Storage Temperature Range	-20° to 60°C (-4° to 140 F)
Operating Humidity Range	Up to 95% RH non-condensing
Durability	Sliding Contact 100,000 card insertions
MTBF	300,000 hours
Connector	USB Type C connector
Status Indicator	LED
LED	SmartOS™
Firmware In-Field Upgradeable	No

Certifications and Compliances

Systems/Standards	ISO/IEC 7816, USB 2.0 Full Speed, CCID, Microsoft® HCK
Regulatory/Environmental	CE, RoHS

Picture

