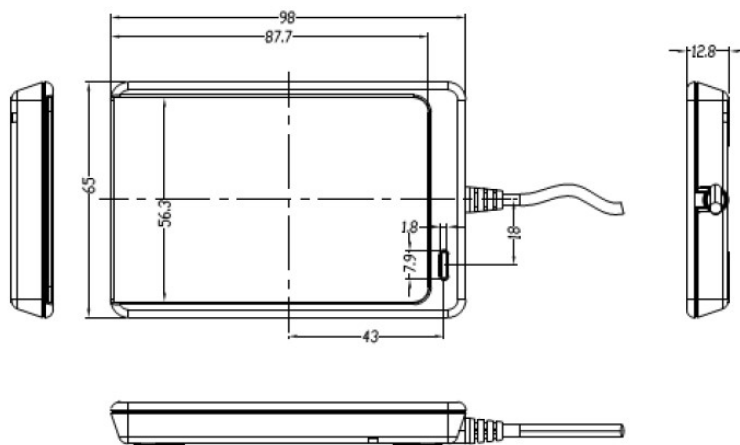




TECHNICAL SPECIFICATION

Contactless Smart Card Interface		Peripherals	
Supported Card Types	ISO/IEC 18092 NFC, ISO 14443 Type A & B, MIFARE®, FeliCa	Buzzer	1 x Programmable Buzzer (Mono-tone)
Operating Frequency	13.56 MHz	LED	1 x Programmable LED (Red & Green)
Reading Distance	Up to 50 mm (Depending on tag type)	Operating Condition	
Read/Write Speed	106/212/424 kbps (Programmable)	Temperature	0 - 60°C
Anti-Collision	Yes	Humidity	90% (Non-condensing)
Supported NFC Mode	NFC Reader/Writer, Peer-to-Peer, Card Emulation	MTBF	500,000 Hours
SAM Card Interface		Certifications & Compliances	
Standard	1 x ISO 7816 Class A (5V) Standard SIM size slot	Certifications	NFC Forum Certification Mark, IEC/EN 62368, CE, UKCA, FCC, J-LIS, VCCI, TELEC, KC, BIS, RoHS, REACH, WEEE, Microsoft® WHQL
Protocol	T=0, T=1	Compliances	USB CCID, PC/SC
Read/Write Speed	9.6 – 215 kbps	Libraries & Tools	
Host Interface		Libraries	CT-API
Protocol	USB CCID	Tools	Android Evaluation Kit, Software Development Kit (USD 149)
Connector Type	USB Type-A, USB Type-C	Drivers & Support	
Speed	USB 2.0 Full Speed (12Mbps)	Driver Supported OS	Windows, Linux, Mac OS, Android
Supply Voltage	5VDC	Warranty	1 Year
Current Consumption	Max. 200mA	Model/Part Number	
USB Firmware Upgrade	Supported	USB Type-A	ACR1252U-M1
Physical Characteristics		USB Type-C	ACR1252U-MF
Dimension (L x W x H)	Main Body: 98 x 65 x 12.8 mm Antenna size: 50 x 40 mm		
Weight	81 g		
Available Colour	Matte Black		
USB Cable Length	1 m (Non-detachable)		

MECHANICAL SPECIFICATION



About ACS

Advanced Card Systems Ltd. (ACS), founded in 1995, is Asia Pacific's top supplier and one of the world's top 3 suppliers of PC-linked smart card readers. ACS is the winner of the Product Quality Leadership Award for Smart Card Readers from Frost & Sullivan. In 2010, 2014 and 2015, ACS was listed in Forbes Asia's "Best Under a Billion" list, an inter-industry list comprised of 200 top-performing publicly listed companies in the Asia-Pacific, with sales between US\$5 million and US\$1 billion. ACS develops a wide range of high-quality smart card reading/writing devices, smart cards and related products and distributes them to over 100 countries worldwide.

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