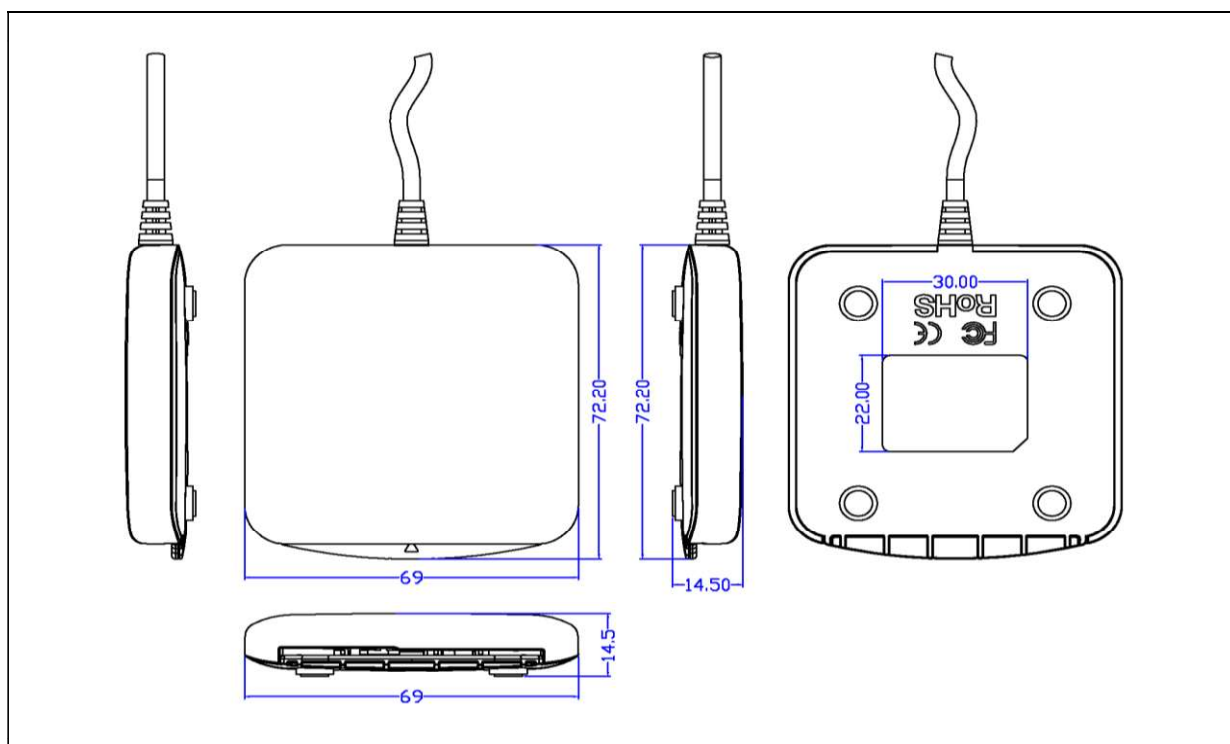


5.0. Technical Specifications



Physical Characteristics

Dimensions	72.2 mm (L) × 69.0 mm (W) × 14.5 mm (H)
Weight	65 g
Color	Black (Matte)

USB Host Interface

Protocol	USB CCID
Connector Type	Standard Type A
Power Source	From USB port
Speed	USB 2.0 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. 200,000
.....	Min. 300,000 (for landing connector)

Built-in Peripheral

LED	Green
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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 62368/IEC 62368, CE, FCC, RoHS, REACH, EMV™ Level 1 (Contact), BIS, J-LIS, KCC, PBOC, TAA(USA), UKCA, UL, VCCI, WEEE, ISO 7816, USB 2.0 Full Speed, PC/SC, CCID, Microsoft® WHQL