

KP6020

secure

KP6020 *secure* USB NFC Reader is ideal for contactless applications. It supports NFC tags and devices. Through the SAM (Secure Access Module) slot provides a high level of security in contactless operations.

KP6020 *secure* is suitable for any contactless smart card application such as personal identity verification, network login, online banking, and micropayment.

KP6020 *secure* optionally can be configured to support the RFID LF standard, so with its enhanced NFC features, it is also ideal for non-conventional RFID applications.

KP6020 *secure* is PC/SC-compliant, allowing interoperability across different applications and platforms.



NFC



LF 125KHz
HF 13.56MHz



SAM



USB



TICKETING



PAYMENT



HEALTHCARE



RETAIL

KP6020 *secure*

Main Characteristics

Physical	Dimensions	Diameter 100mm, Height 70mm
	Weight	100 gr.
	Connector	USB Type C
	Cable	1.8mt (maximum length)
	Case Material	Aluminum + ABS
	Indicator	Activity Blue LED
	Input Voltage	USB 5 +0.25/-0.60VDC as USB 2.0 Specification
	Current	Idle: 10mA Reading / Writing: 200mA
Communication	Interface Supported	USB 2.0 High Speed
	USB Class	USB HID USB Virtual COM USB CCID
	Protocol	TSBIN V6.0/V9.5 and above (TechSigno IDSOFT DESK USB VCOM) Open protocol PC/SC
Contactless Interface	Standard	13.56 MHz · ISO 14443 Type A & B · ISO 15693/18000-3 Mode 3 · ISO 18092 NFC EMV Compliance 125 kHz · ISO 18000-2
	Protocol	13.56 MHz · MIFARE® and ICODE® Card · ISO 14443-4 Compliant Card, T=CL · Full NFC Forum Support · Card Emulation ISO 14443 Type A · Transfer speed up to 848 kbit/s 125 kHz · H410x - TK55xx - Unique - Q5
RF Performance	Read Speed	Typical Tag operation speed: < 200 ms
	Distance of Reading <small>(the distance is related to the TAG dimension)</small>	125 kHz - 1cm 13.56MHz - 5cm
Security (SAM)	Number of SLOT	1 Standard SIM size Card Slot
	Standard	ISO 7816 Class A, B, C (5V, 3V, 1.8V) EMV Compliant
	Protocol	T=0, T=1
Environmental	Temperature	Operating -5° to +65°C Storage -20° to +70°C
	Humidity	5% to 90% (non-condensing)
	Sailing	IP52
	Certifications	EMC: EN55022, EN55024 Electrical Safety: EN62471 RF Immunity: IEC61000-4 -3, 10V/m
Other Features	Firmware Update	Supported
	Custom Configuration	Supported and Stored on Internal non volatile memory
	Operating System	Windows® 7 and above Linux® (tested distributions: Ubuntu 16.04) Android™ 2.3.4/3.1 and above (the support depends on the hardware manufacturer) MAC OS® (tested releases: macOS 10.13)
Development	GUI	Firmware Update, Configuration and Smart Cloning GUI
	SDK	DLL (Win32) SO/JAR (Android) Desktop Examples (C/C++, C#, Python, Batch) Mobile Examples (Java)

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