

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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