



OMNIKEY® 5553 Reader Board USB Comfort Multi ISO

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| <p>Description</p> | <p>The OMNIKEY® 5553 Reader Board USB Comfort is a contact less proximity read/write device that supports various ISO14443A/B, ISO15693, ISO18000-3, NFC and EPC RFID-devices, including the whole Mifare® family. The module has a built in antenna. By using the USB 2.0 interface the device easily can be connected to a PC or any other host system. An integrated SAM Socket enables a state of the art security level. This RFID read/write unit is optimized for maximum data throughput rates on both, the air interface as well as the serial interface. The built in boot-loader enables firmware field upgrades via the USB interface. The antenna size helps the user to gain a maximum of convenience while moving the transponder card through the extended read zone.</p> | <ul style="list-style-type: none"> • E-Payment • E-Toll Road Pricing • E-Ticketing for Events & Public Transport • Access Control • Time & Attendance • PC Access • Authentication • Process & Production Control • Logistics & Supply Chain Management • Printer • Production Equipment |
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| Product Code: | RDHS-0204N0-02 | | |
| RF Transmit Frequency | 13.56MHz | | |
| Supported Standards | ISO14443A, ISO14443B, ISO 15693, ISO 18000-3, NFC enabled, I-CODE | | |
| Supported Tag-ICs | Mifare® Standard Mifare® 4k Mifare® Pro Mifare® Ultralight Mifare® DESFIRE Mifare® SmartMX I-CODE SLI (SL2 ICS 20) I-CODE EPC (SL2 ICS 10) I-CODE UID (SL2 ICS 11) I-CODE NFC (ReaderToTag Mode) | SLE 55Rxx SRF55VxxP +S SLE 66CL160S SLE 66CLX320P SR176 SRIX4K LRI 64 LRI 512 EM4135 KSW Temp Sens® | Tag-it™ HF-I Standard Tag-it™ HF-I Pro Jewel Tag Sharp B ASK GTML ASK GTML2ISO TOSMART P032/P064 ISO14443A Tags ISO14443B Tags ISO15693 Tags ISO18000-3 Tags |
| Host Communication | Point-to-Point | | |

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| Product Code: | RDHS-0204N0-02 |
| Communications Interface | USB 2.0 |
| Communications Protocol | Specific ASCII or Binary Protocol |
| Communications Parameter | 9600 Bit/s to 460 kBit/s, 8,N,1 |
| Firmware Boot-Loader | Supported via USB Interface |
| S/W Driver | Virtual COM port, API - DLL (VC++) |
| Power Supply | Via USB Interface |
| Power Consumption | Approx. 200mA (without SAM) < 1mA at power down mode |
| Reading distance | Up to 90 mm / 3.54 Inch, depending on tag |
| RF Transmission Speed | Up to 848 kBit/s |
| Antenna | Integrated |
| Input/Output Connector | 2 status indicator LED lines, 1 I/O Port, SAM Socket |
| Size | (LxWxH) 117.0x67.0x15.0mm ± 1.0mm / 4.60x2.64x0.59 Inch ± 0.04 Inch |
| Weight | 32g ± 10% / 0.07 lb± 10% |
| Operating Temperature | 0°C to + 70°C / 32F to +158F |
| Storage Temperature | -40°C to + 85°C / -40F to +185F |
| Firmware Version | 1.0 |
| Approvals/Compliances | ETS 300-330, CE, FCC part 15, RoHS compliant, ISO 14443 1-4 |
| MTBF | 200.000h |