



## OMNIKEY® 5553 Reader Core Multi ISO

<p><b>Description</b></p>	<p>The OMNIKEY® 5553 Reader Core is a contact less proximity read/write device that supports various ISO14443 A/B, ISO15693, ISO18000-3, NFC and EPC RFID-devices, including the whole Mifare® family. The module needs an external application specific antenna to operate. By using the serial interface the device easily can be connected to a controller or any host system. An integrated SAM Interface 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 serial interface.</p>	<ul style="list-style-type: none"> <li>• E-Payment</li> <li>• E-Toll Road Pricing</li> <li>• E-Ticketing for Events &amp; Public Transport</li> <li>• Access Control</li> <li>• Time &amp; Attendance</li> <li>• PC Access</li> <li>• Authentication</li> <li>• Process &amp; Production Control</li> <li>• Logistics &amp; Supply Chain Management</li> <li>• Printer</li> <li>• Mobile Devices</li> <li>• Production Equipment</li> </ul>
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<b>Product Code:</b>	RDHO-0201N0-02/-03		
<b>RF Transmit Frequency</b>	13.56MHz		
<b>Supported Standards</b>	ISO14443A, ISO14443B, ISO 15693, ISO 18000-3, NFC enabled, I-CODE		
<b>Supported Tag-ICs</b>	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 (Reader To Tag 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
<b>Host Communication</b>	Point-to-Point		

<b>Product Code:</b>	<b>RDHO-0201N0-02/03</b>
<b>Communications Interface</b>	CMOS-TTL
<b>Communications Protocol</b>	Specific ASCII or Binary Protocol
<b>Communications Parameter</b>	9600 Bit/s to 460 kBit/s, 8, N, 1
<b>Firmware Boot-Loader</b>	Supported via Serial Interface
<b>S/W Driver</b>	Virtual COM port, API - DLL (MSVC++)
<b>Power Supply</b>	5VDC regulated
<b>Power Consumption</b>	90 – 200mA depending on antenna (without connected SAM) < 10µA at power down mode
<b>Reading distance</b>	up to 90 mm / 3.54 Inch, depending on tag and antenna
<b>RF Transmission Speed</b>	up to 848 kBit/s
<b>Antenna</b>	External
<b>Input/Output Connector</b>	2 status indicator LED lines, 1 I/O Port, SAM Interface
<b>Size</b>	(LxWxH) 25.5x30.0x4.8mm ± (L/W) 0.5 (H) 1.0 1.00x1.18x0.19 Inch ± (L/W) 0.02 (H) 0.04 Inch
<b>Weight</b>	5g ± 5% / 0.01 lb ± 5%
<b>Operating Temperature</b>	-20°C to +80°C / - 4F to + 176F
<b>Storage Temperature</b>	-40°C to +85°C / - 40F to + 185F
<b>Firmware Version</b>	1.0
<b>Approvals/Compliances</b>	RoHS compliant
<b>MTBF</b>	3.000.000 h