



## OMNIKEY® 5513 Reader Core Mifare Easy

<b>Description</b>	<p>The OMNIKEY® 5513 Reader Core is a contact less proximity read/write device that supports various RFID-devices out of the Mifare® family and the ISO 14443 A standard. The module needs an external application specific antenna to operate. By using the serial interface the device can easily be connected to a controller or any host system. The small form factor enables a design in even into very compact systems.</p>	<ul style="list-style-type: none"> <li>• E-Payment</li> <li>• E-Toll Road Pricing</li> <li>• E-Ticketing for Events</li> <li>• E-Ticketing for Public Transport</li> <li>• Access Control</li> <li>• PC Access</li> <li>• Authentication</li> <li>• Printer</li> <li>• Production Equipment</li> <li>• Mobile Devices</li> </ul>
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<b>Product Code:</b>	<b>RDHO-0501N0-03</b>		
<b>RF Transmit Frequency</b>	13.56MHz		
<b>Supported Standards</b>	ISO14443A		
<b>Supported Tag-ICs</b>	Mifare® Standard	SLE66R35	ISO 14443A Tags
	Mifare® 4k	SLE44R35	
	Mifare® Pro X		
	Mifare® Ultralight		
	Mifare® DESFire (Serial No. only)		
<b>Host Communication</b>	Point-to-Point		
<b>Communications Interface</b>	Serial CMOS-TTL		
<b>Communications Protocol</b>	Specific ASCII and Binary Protocol		
<b>Communications Parameter</b>	9600 Bit/s to 57600 Bit/s, 8, N, 1		
<b>Firmware Boot-Loader</b>	no		
<b>S/W Driver</b>	Virtual COM Port, API - DLL		
<b>Power Supply</b>	5VDC ± 10% regulated		
<b>Power Consumption</b>	90 – 150 mA depending on antenna < 10mA at power down mode		
<b>Reading distance</b>	Up to 85mm, depending on tag and antenna		

<b>Product Code:</b>	<b>RDHO-0501N0-03</b>
<b>RF Transmission Speed</b>	106 kBit/s
<b>Antenna</b>	External
<b>Input/Output Connector</b>	2 status indicator LED lines, 1 I/O Port
<b>Size</b>	(LxWxH) 25.5x30.0x4.8mm ± (L/W) 0.5 (H) 1.0 1.00x1.18x0.19Inch ± (L/W) 0.02 (H) 0.04
<b>Weight</b>	5 g± 10% / 0.01 lb ± 10%
<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