



OMNIKEY® 5553 Reader Board RS232 Compact Multi ISO

Description	<p>The OMNIKEY® 5553 Reader Board RS232 Compact is a contact less proximity read/write device that supports various ISO14443A/B, ISO 15693, ISO 18000-3, NFC and EPC RFID-devices, including the whole Mifare® family. The module has a built in antenna. By using the serial 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 serial interface. The form factor enables a design in even into very compact systems.</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:	RDHC-0202N0-02		
RF Transmit Frequency	13.56MHz		
Supported Standards	ISO14443A, ISO14443B, ISO 15693, ISO 18000-3, NFC enabled, ICODE		
Supported Tag-ICs	Mifare® Standard	SLE 55Rxx	Tag-it™ HF-I Standard
	Mifare® 4k	SRF55VxxP +S	Tag-it™ HF-I Pro
	Mifare® Pro	SLE 66CL160S	Jewel Tag
	Mifare® Ultralight	SLE 66CLX320P	Sharp B
	Mifare® DESFIRE	SR176	ASK GTML
	Mifare® SmartMX	SR1X4K	ASK GTML2ISO
	I-CODE SLI (SL2 ICS 20)	LRI 64	TOSMART P032/P064
	I-CODE EPC (SL2 ICS 10)	LRI 512	ISO14443A Tags
	I-CODE UID (SL2 ICS 11)	EM4135	ISO14443B Tags
	I-CODE	KSW Temp Sens®	ISO15693 Tags
	NFC (Reader To Tag Mode)		ISO18000-3 Tags
Host Communication	Point-to-Point		

Product Code:	RDHC-0202N0-02
Communications Interface	RS232
Communications Protocol	Specific ASCII or Binary Protocol
Communications Parameter	9600 Bit/s to 115 kBit/s, 8,N, 1
Firmware Boot-Loader	Supported via Serial Interface
S/W Driver	Virtual COM port, API - DLL (VC++)
Power Supply	5V DC \pm 10% regulated
Power Consumption	< 150mA (without SAM) < 10mA at power down mode
Reading distance	Up to 75mm / 2.95 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) 70.0x45.0x12.1mm \pm 1.0mm / 2.76x1.77x0.48 Inch \pm 0.04 Inch
Weight	17g \pm 10% / 0.04 lb \pm 10%
Operating Temperature	-20°C to + 80°C / -4F to +176F
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