

SD Reader LF “SDID1210 / SDID1212”

The SD reader SDID1210 / SDID1212 is a Low Frequency (LF) RFID SDIO reader, designed to plug into any Personal Digital Assistant (PDA) or other hand-held device with SD slot. The SD Reader LF is a Read/Write device for all mayor 125 - 134,2kHz transponders, such as EM 4100, 4169, 4550, NXP Hitag 1, S and TI TIRIS. It is compliant as well to all FDX and HDX transponders.

Applications include pet and livestock animal identification, herd management, asset tagging, oilfield logistics and process compliance, vehicle security and fuel payment systems. Transaction or tag data can be processed through mobile connections such as WiFi, Bluetooth, CDMA, GSM / GPRS or UTMS associated with the portable device.

The SD Reader is available as standard version SD1210 and also as extended version SDID1212 with an embedded 512MB SD Memory.

Full SDKs are available for the SDID1210 and SDID1212 reader.



Product specification:

Dimensions:	63,5 x 27,5 x 9,85 mm
Power supply:	3.3V (typical) operation
Power consumption:	300mA (typical) FDX active 120mA (typical) HDX active 32mA (typical) standby 40mA (typical) idle
Reading range:	Up to 12,5cm depending on tag size (HDX) Up to 9,0cm depending on tag size (FDX)
LED:	Indication for standby, search and data communications Bi-colour (Green, Red) Host Application controls activity
Operating frequency:	125 - 134,2 kHz
Supported transponders:	EM 4100, 4169, 4550 TI Tiris LF Sokymat Q5 NXP Hitag 1 (no authentication, no anti-collision) NXP Hitag S ISO11784, ISO11785 for Animal ID Supports both Half Duplex (HDX) and Full Duplex (FDX) LF RFID
Supported PDAs:	Terminals with SDIO enabled SD Card slots Microsoft Pocket PC 2002/2003 with SDIONow! Windows Mobil 2003 with SDIONow! Windows Mobile 5.0 or 6.0 Palm OS 4.1 and up
Order number:	R-HH-SDID1210
Order number 512 MB:	R-HH-SDID1212

Product specification SDK:

Software Development Kit:	<p>SD Reader LF 125-134,2kHz Application Programming Interface (API) HTML documentation WinCE libraries and header files Device driver for WinCE Angus demo application with User Manual and setups for WinCE Jersey sample application with User Manual and full source code for WinCE</p>
Developer Support:	<p>Full access SD Reader Forum Limited e-mail and phone support</p>
Software Compatibility:	<p>C++ C# Visual Basic.NET</p>
Supported transponders:	<p>EM 4100, 4169, 4550 TI TIRIS LF Transponder NXP HITAG 1, 2, S ISO 11784, ISO 11785 for Animal ID Supports both Half Duplex (HDX) and Full Duplex (FDX) LF RFID</p>
Windows CE SDK Requirements:	<p>Windows 2000 (SP4) or Windows XP (SP2) Microsoft Internet Explorer 5.0 or higher Microsoft ActiveSync 4.0 or higher Microsoft Pocket PC 2002/2003 with SDIONow! or Windows Mobile 2003 with SDIONow! or Windows Mobile 5.0 Microsoft Visual Studio 2005 or Microsoft eMbedded Visual++ 4.0</p>
Order number:	<p>R-HH-SDID1210-SDK R-HH-SDID1212-SDK</p>