



**TLP-121x-AA
SDK Development Kit
+
SD Card RFID LF Reader
125 kHz / 134 kHz
with
Integrated Antenna
and
512 MB SD memory
ISO/IEC 18000-2
ISO/IEC 11784/785**

Description:	Contains: SDK Development Kit + SD-Card 125 kHz / 134 kHz RFID Reader with Integrated Antenna	
	The TLP-121X Development Kit is the essential tool to quickly and easily launch your Low Frequency (LF) Radio Frequency Identification (RFID) applications to market. The TLP-121X Development Kit is a complete solution which includes an TLP-1212 SD Card, two LF RFID tags, and a Software Development Kit (SDK) with binaries, header files, drivers, demo applications and sample applications with full source code. The SDK delivers a powerful, yet straightforward Application Programming Interface (API) which greatly reduces the learning curve and simplifies the overall development process. With the TLP-121X SDK, developers can quickly familiarize themselves with LF RFID technologies so they can rapidly design, develop and exhibit cutting-edge high performance economical LF RFID solutions for both the TLP-1210 and TLP-1212 products.	
Contents:	TLP-1212 (details see page 2). Software Development Kit: - Application Programming Interface (API) - HTML documentation - WinCE and Palm OS® libraries and header files - Device driver for WinCE and Palm OS® - C++, C# and VB demo applications with full source, user manuals and setups for WinCE - C++ demo application with full source, user manual and setup for Palm OS®	
Features:	Windows CE SDK Requirements - Windows 2000 (SP4) or Windows XP (SP2) or Windows Vista (SP1) - 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 or Windows Mobile 6.0 - Microsoft® Visual Studio 2005 - Microsoft® eMbedded Visual C++ 4.0	Palm OS® SDK Requirements (TLP-1210 only) - Windows 2000 (SP4) or Windows XP (SP2) or Windows Vista (SP1) - Microsoft Internet Explorer 5.0 or higher - Palm Desktop 4.1 or higher - Palm OS® 4.1 or higher - Palm OS® Developer Suite 1.1 or higher - Metrowerks CodeWarrior 5.2 or higher Software Compatibility - C++ - C# - Visual Basic .NET
Part name:	TLP-121x-AA	



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Description:	SD-Card 125 kHz / 134 kHz RFID Reader with Integrated Antenna with 512 MB Integrated SD memory		
Transponder Types:	EM 4100, 4169, 4550, NXP Hitag 1, S, ATMEL Q5 and TI TIRIS (HDX)		
Read / Write Range:	Up to 125 mm for HDX and up to 90 mm for FDX	(Depends on used PDA and transponder) (At ambient temperature 20°C)	
Housing Dimensions:	63,5 x 27,5 x 9,85 mm		
Material:	Plastic / Metal	Colour:	Dark Blue
Connector:	SDIO enabled SD Card slots		
LED Indicator:	Bi-color (Red/Green)	(Host Application controls activity)	
Operating System:	Windows Mobile 2003 / 5.0 or 6.0, Palm OS 4.1 and up	Pocket PC 2002 / 2003 with SDIO	
Software:	API software / driver and Demo software available.		
Power Supply:	3,3 V typ. operation by PDA		
Power Consumption:	- 300 mA (typical) FDX active - 120 mA (typical) HDX active - 40 mA (typical) idle - 32 mA (typical) standby	(depending on host device)	
Operating Frequency:	125 kHz - 134 kHz	(At ambient temperature 20°C)	
Operating Temperature:	0°C....+55°C	Storage Temperature:	-10°C ...+55°C
Certification:			Production  
Applications:	- Logistics, Mobile Access Control and registration - TAG Data collection, Inventory control, Maintenance etc.		
Part name:	TLP-1212-AA		