# imall

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from, Europe, America and south Asia, supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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<u>USER</u> <u>GUIDE</u>	<u>GETTING</u> <u>STARTED</u>	SOFTW ARE	PRODUCT	ON-BOARD DEVICES	<u>BOARD</u> DESI GN	RECOVERY PROCEDURE	<u>FLASH</u> <u>TOOL</u>
		tion Kit ATTRAMIX EK	The AT91SAM72 development of This guide focus The AT91SAM7X-E one A/B-type USI one RJ45 crossed universal input Ar one DVD-ROM co and mechanical c all development to assembly listings	E Applications ru ses on the AT91 EK package cont EK board, B cable, Il RS232 cable, I Ethernet cable, C/DC power supp ntaining summar haracteristics, ap poards and AT91	kit enables Inning on ar I SAM7X-EK ains the follow bly with US ar y and full dat pplication note microcontroll This allows t	evaluation capal AT91SAM7X256 board as an evalu wing items: d EU plug adapter, asheets, datasheet es and getting start ers. An AT91 softw he user to begin ev	/ <b>128.</b> Iation platf s with electr ed documen are package
	Plistings is also prov	The one one one one one one one one one on	RYPTO* Tr code developr s guide focuses AT91SAM7XC-EK A/B-type USB c: crossed serial R RJ45 crossed Et versal input AC/E DVD-ROM conta mechanical chan development boa	nent of applicat s on the AT91SA K package contai board, able, S232 cable, hernet cable, DC power supply ining summary a racteristics, appli rds and AT91 min	C-EK evaluat tions runnin M7XC-EK be ns the followi with US and E nd full datash cation notes a crocontrollers	tion kit enables er g on an AT91SAN oard as an evalua ng items: EU plug adapter, neets, datasheets w and getting started . An AT91 software	ITXC256/12 Ition platfor with electrica documents for package with
verview an	d Block Diagra	am					
			AT91	SAM7X-EK			

http://www.at91.com/Pages/products/EvaluationBoard/SAM7XEK/at91sam7xek.html 2/16/2006



	<ul> <li><u>Atmel Crypto Memory AT88SC25616.</u></li> </ul>		
Clock Circuitry	<ul> <li>18.432 MHz standard crystal.</li> </ul>		
Reset Circuitry	<ul> <li>Reset push button.</li> </ul>		
Power Supply Circuitry	<ul> <li>Precision Micropower Low Dropout Voltage Reference LM4120 ,</li> </ul>		
Fower Supply circuity	<ul> <li>Low-Dropout Regulator with Reverse Current Protection</li> </ul>		
User Interface	4 Green Leds connected to the PIO lines,??		
User filterlace	<ul> <li>One 4-direction button type joystick,</li> </ul>		
	<ul> <li>EMI FILTER AND LINE TERMINATION FOR USB UPSTREAM PORTS,</li> </ul>		
Serial Communication lines	<ul> <li><u>10/100 Mbps Fast Ethernet Physical Layer Single Chip Transceiver.</u></li> </ul>		
Serial Communication lines	<u>RS232 Transceiver.</u>		
	High speed CAN transceiver		
Analog	Rail to rail, Low Power Operational Amplifiers		
	<ul> <li>DataFlash Card socket,</li> </ul>		
Socket	<ul> <li>Male 9-point RS232 standard socket,</li> </ul>		
	Standard Device USB connector.		
JTAG/ I CE	• 20-pin JTAG interface connector.		
Discret devices	P-Channel 2.5-V (G-S) MOSFET		

## Board Design

Description and link to File

PCB Design Project under Orcad (Orcad version 9.2.3) PCB Layout (Use free Allegro viewer) Bill Of Material (text format) Gerber Files

### Software Package

Description	Package	(
AT91SAM7X128		
AR Projects:		
This zip files embeds all related AT91SAM7X128 software projects for IAR Embedded Workbench Software Development Tools. <b>Keil Projects:</b>	<u>Zip File</u>	
	none	
AT91SAM7X256		
I AR Projects:		
This zip files embeds all related AT91SAM7X256 software projects for IAR Embedded Workbench Software DevelopmentTools.	Zip File	
Keil Projects:		
Fhis zip files embeds all related AT91SAM7X256 software projects for μVsion 3 Development Development Tools.	Zip File	
Recovery Procedure		
Description	Attached I	Docum
ilash Tool		
Utility Description	Attached Do	cumen
Your Smart Flash solution:		
SAM-BA™ Application is a Windows© Application Flashing through USB or serial port COM for all AT91SAM	<u>User Gu</u>	ide

 Your Smart Flash solution:
 SAM-BA™ Application is a Windows© Application Flashing through USB or serial port COM for all AT91SAM
 User Guide

 Flash Based Products.
 SAM-BA™ is an Atmel application and free of use.
 Getting Started

 Download it and use it.
 A Multi Target Flash Tool:
 Getting Started

 SAM-PROG Application is a Windows© Application allowing Multi-Flashing solution through USB for all
 Getting Started

 AT91SAM Flash Based Products.
 SAM-PROG is an Atmel application and free of use.
 Getting Started

 Download it and use it.
 SAM-PROG is an Atmel application and free of use.
 Getting Started

#### Other

Utility Description

Attached Docume

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