



EMBEST - AT91SAM3U-SK - Low Cost Development Kit

Overview:

This is the low cost development kit for AT91SAM3U (96MHz, the ARM Cortex-M3 processor built-in High Speed USB controller), including the AT91SAM3U evaluation board(AT3U) and Emlink for ARM(EAH1) JTAG adapter, so the developers can easy start to learn and test all the relevant applications on it, or evaluate your new project design through this entire system.



Kit Contents:

Take the EM-AT91SAM3U out of its box. Included in the box are:

- AT91SAM3U Evaluation Board
 - ✓ One AT91SAM3U Evaluation Board
 - ✓ One 2.8 inches TFT LCD (240x320)
 - ✓ One RS-232 serial cable
 - ✓ One USB A-B cable
 - ✓ One CD-ROM
 - ✓ Packing List (Paper)
 - ✓ Getting Started (Paper)
- Emlink for ARM
 - ✓ One Emlink for ARM
 - ✓ One JTAG20-14-8 Convert Module
 - ✓ One IDC14 Cable
 - ✓ One 8pins Cable

Key Features:

AT91SAM3U Evaluation Board

- Serial Port
- CAN Port

- USB Port
- LCD Display
- On-board Battery
- Analog Voltage Control for ADC Input
- External Memory
- MicroSD Card Connector
- ETM Trace Debug
- JTAG Download and Debug

Emlink for ARM:

- Supports debugging with Realview MDK and EWARM
- Supports ARM Cortex-M3 processors: STM32, LPC17XX, AT91SAM3UE, etc.
- JTAG 20 pins connects to target
- Supports hardware and software breakpoints
- Supports USB port connecting to host PC
- Downloads and debugs speed up to 250KBytes/s (about 1.5Mbps)
- Integrates seamlessly into IAR Embedded Workbench and Keil RealView MDK

Ordering Information:

Products:

Part Number	Manufacturer	Farnell P/N	Newark P/N
AT91SAM3U-SK	Embest	NA	63R5715

Associated Products:

Part Number	Manufacturer	Description	Farnell P/N	Newark P/N
SW_LICA	Embest	Emlink for ARM License	NA	63R5737
SPC19944	SPC Technology	Shielded Serial Cable Assembly	1702771	83K3689
SPC15457	SPC Technology	Standard 9 Pin D-Subminiature Connector	1653954	79K5032
897-43-004-90-000000	Mill Max	USB Connector	1621546	84K7068

Similar Products:

Part Number	Manufacturer	Description	Support Device	Farnell P/N	Newark P/N
ATSAM3U-EK	Atmel	ATSAM3U Evaluation kit	ATSAM3UARM	1716045	15R0277
EM-AT91SAM3U	Embest	ATSAM3U Evaluation kit	ATSAM3UARM	NA	63R5716

Document List:

Datasheet:

Part Number	Description	Size
MAX3232	RS-232 Transceivers	752KB
LM1117DT-ADJ	800mA Low-Dropout Linear Regulator	647KB
SAM3U Series	32-bit ARM Cortex M3 RISC processor	21.3MB

Application Notes:

File Name	Size
Using the Two-wire interface (TWI) in Master Mode on AT91SAM Microcontrollers	1.05MB
Signal Integrity and AT91 Products	694KB
SAM3U Microcontroller Series Schematic Check List	496KB