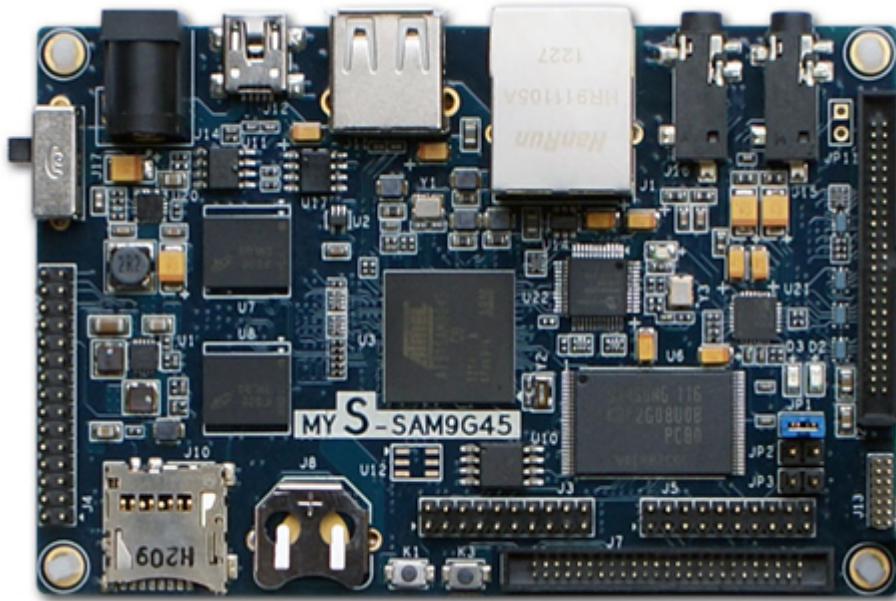


## MYS-SAM9G45 SBC Board



- ATMEL SAM9G45 ARM9 processor, 400MHZ
- 256MB Nand-Flash, 4MB DataFlash, 2x64MB DDR2 SDRAM, 64KB EEPROM
- Ethernet, CAN, USB Host/OTG, uart, RS485, Audio
- KEIL MDK example code, Linux 2.6.30, Andriod
- Support 4.3"/7.0" TFT LCD Module
- **Tags:** evaluation board, kit, SBC Board, eval kit

### » Hardware features

<b>CPU</b>	AT91SAM9G45(ARM926EJ-S) working at 400MHz		
<b>memory</b>	On-chip:64KB SRAM,64KB EEPROM External 256MB NandFlash, 4MB DataFlash 2x64MB DDR2 SDRAM		
<b>Debug</b>	14Pin, 1.27mm JTAG debug interface		
<b>periphery</b>	Type	Qty	Description
	COM	1	Support RS232
	ethernet	1	100Mbps, DM9161AEP
	USB	2	Support USB HOST 2.0 x1 1xUSB OTG 2.0
	Audio	2	Audio In/out
	SD interface	1	SD/MMC interface
	Display	1	LCD interface
	Extension	2	Extension for customer
	JTAG	1	Standard 14 pin JTAG interface
<b>Button</b>	User button	1	User button
	RESET	1	Reset button
<b>Power</b>	5V/2A power supply		

## »Software resource

### Linux version and source code list

Name		Description
Bootloader	AT91Bootstrap	Guide Uboot
	Uboot	Version: UBoot1.3.4 Function: 1. NandFlash erase/read/write 2. Support network download image 3.Configure, save setting 4.support bootm,bootargs setting
Linux-2.6.x		ROM/CRAM/EXT2/EXT3/FAT/NFS/ JFFS2/UBIFS
Kernel and device driver	System clock	System frequency:400MHz
	Display driver	Support4.3'' LCD
	Touchscreen	Touch screen
	DM9000	DM9000 ethernet driver
	HSMMC	SD/MMC/SDIO driver
	NANDFLASH	Nandflash driver
	SERIAL	Com driver
	USB Host	Support USB keyboard, mouse, U-disk
	DMA	DMA driver
	SPI	SPI driver
	IIC	I2Cdriver
	USB Gadget	USB Gadget driver
Jffs2 file system	Support jffs2 file system	
Cross compile	arm-none-linux-gnueabi	Cross compile tools chain
PC Software	SAM-BA1.13+USB	SAM-BA download kernel into board Nanflash via USB

### MDK Resource

Name	Description
NandFlash	NandFlash operation
fatfs	File system operation
filesystem	The implement of source-open FAT file system
datafalsh	SPI with dataflash
twi-eeeprom	Access EEprom by TWI
rtt	Timer
rtc	Real time clock

## Andriod source code

Content	Name	Description
<b>Boot code</b>	AT91Bootstrap	Uboot
	Uboot	1. Support NandFlash read/write 2. Download image by ethernet 3. Configure 4. Support memory display, compare and modify 5. support bootm, bootargs setting.
<b>Android</b>	Android 2.3.1	
<b>Device driver</b>	Ethernet	Ethernet driver
	LCD+Touch	LCD and touch panel driver
	USB	USBHOSTx2, USBOTG
	MMC/SD	MicroSD driver
	UART	USART0, DBGU driver
	SPI	SPI driver
	TWI(I2C)	Two Wire Interface(I2C) driver
	DMA	DMA driver
	GPIO	GPIO driver
<b>File system</b>	Android file system	

## Packing list

NO	Item	QTY	Description
1	MYS-SAM9G45 SBC board	1	
2	Ethernet cable	1	
3	USB Cable	1	Micro USB
4	Serial cable	1	9 pin to 9 pin
5	DVD	1	include user manual, schematic, datasheet, Source