

Software Features

The MYC-SAM9X5 is a Linux and Android ready-to-run controller board. MYIR offers software packages along with the module. Many peripheral drivers are provided in source code to help customers quickly start their own development and create their own applications. MYIR also offers plenty of Keil's MDK-ARM sample codes to enable your debugging capabilities. The software features are summarized as below:

OS	Item	Features	Description
Linux	Boot	Boot Strap	First boot program (source code available)
		u-boot	Secondary boot program (source code available)
		Boot Mode	Boot Linux from NAND Flash
		Image update	Support programming kernel image into Nand Flash through USB
		File system update	Support programming file system into Nand Flash through USB
	Kernel	Version	Linux 2.6.39 (source code available)
		File system	Supports ROM/CRAM/EXT2/EXT3/FAT/NFS/JFFS2/UBIFS
	File system	Format	UBIFS file system
	Drivers	USB Host, USB Device, Ethernet, MMC/SD, CAN, RS485, NandFlash, TWI (I2C), SPI, WM8904 (Audio), LCD Controller, RTC, Touch-Screen, PWM, USART, LED (source code available)	
	Graphical Library	QT	Already ported (source code available)
Android	Kernel	Version	Android 2.3.5

	Drivers	Ethernet, Serial port driver (USART1, DBGU), USB (USB_HOST*2,USB_OTG), SD card driver (Micro SD, MMC/SD), SMD, SPI, TWI, DMA, LCD+touch (LCD and touch screen driver), GPIO driver	
-	MDK Sample Code Bundle	Development tool	MDK-ARM 4.53
		Sample code	getting-started, adc_adc10, adc_touchscreen, can, dma, lcd, periph_protect, pmc_clock_switching, pwm, ssc_dma_audio, twi_eeprom, usart_serial, emac0, emac1, hsmci_multimedia_card, hsmci_sdcard, smc_nandflash, spi_serialflash, usb_audio_looprec, usb_cdc_serial, usb_core, usb_hid_keyboard, usb_hid_mouse, usb_hid_msd, usb_hid_transfer, usb_iad_cdc_cdc, usb_iad_cdc_hid, usb_iad_cdc_msd, usb_massstorage