

EELiod270 Introduction

EELiod270 Teaching/ Experiment/Development Platform

EELiod270 based on Intel Xscale PXA27X processor, it includes core board mode(XSBase270-Module) and extender board mode (XSBase270-EDR). It can support Linux 2.4.20/2.6 and Windows CE 5.0/ Windows CE 6.0 Operating system.



EELiod Core board and extend board

Hardware parameter of core board

CPU	Intel Xscale PXA270 520MHz
SDRAM	64MB
FLASH	32MBe
PMIC	LP3971
Ethernet	LAN91C113
Audio	UCB1400BE
Display	Sharp 8" TFT 640*480。
RS232	1
Touch Screen	8" Four Line, UCB1400BE
Extend Interface	120 PIN * 2
JTAG Interface	20pin

Extend board parameter

IrDA	1
RTC	RTC4513
CF	Support CF card, CF interface Wireless Card
MMC/SD	1
SIM	Support SIM Interface
Ethernet	1 Port, 10/100 BaseT
UART	1* RS485, 2*RS232
AUDIO	Line IN/OUT/MIC
USB HOST	2, Support USB Mouse, USB Keyboard, USB Camera, USB Storage
USB CLIENT	1
Quick Capture	1
LED	8
Key Board	4 * 4
CAN Interface	1
Step Motor	1
DC Motor	1
Speaker	2
120Pin Extended	Support various kinds of daughter board, such as FPGA board
GSM/GPRS/GPS Port	Support GSM/GPRS/GPS module

Software

Linux	Kernel	Linux Kernel 2.4.21 (Optional 2.6.11)
	BootLoader	Boot Loader, blob boot
	Filesystem	JFFS2
	GUI	Tiny-X (Optional QT)
	Device Driver	Ethernet, USB Host, USB Slave, Serial Port, Canbus port, RS485 port, LCD, Touch Screen, Audio, CF port, SD/MMC Port, IRDA, Keypad, LED, , Step/DC motor
	Tool Chain	GUN, MKFS.JFFS2, JFlash
WinCE	BSP	WinCE 5.0 BSP Windows CE 6.0
	Device Driver	Ethernet, USB Host, USB Slave, Serial Port, Canbus port, RS485 port, LCD, Touch Screen, Audio, CF port, SD/MMC port, IDE,IRDA Keypad, LED, Step/DC moto

Package List

XSBASE270-Module	PXA270 Module Board
XSBASE270-EDR	PXA270 Extended Board
	JTAG Line * 1, Cross Ethernet Line * 1, UART Line * 1, USB Line * 1, Power Supply Line * 1, Touch stick * 1
CDROM	WinCE BSP CDROM Linux CDROM
Document	Linux User Manual WinCE User Manual