

EMBEDDED SOFTWARE DESIGN MULTI PLATFORM

- Foundation for the Ubiquitous System Build
- Intel PXA 270 high performance processors
- 6.4" TFT LCD, Ethernet 3Port, Serial 3Port, PCMCIA/CF/MMC interfaces
- FPGA Chip Altera Cyclone 4,000 LEs(12,000 LEs Option) for SoC courses
- Processor Core Board & CMOS Image Sensor
- Various types of application modules such as Bluetooth, GPS, IrDA, RF, Voice Recognition, Ultrasonic, Robot Arm, 485 Communication Modules(Options)

New
ED-270M



> I/O MODULE(OPTION)

- Refer to page 21 on of ED-255EK Model

> APPLICATION MODULES (OPTIONS : 9EA)

- | | |
|----------------------|------------------|
| • RS-48S Receiver | • RF Receiver |
| • RS-48S Transceiver | • RF Transceiver |
| • IrDA Receiver | • Voice |
| • IrDA Transceiver | • Ultra Wave |
| | • Robot Arm |

> SPECIFICATIONS

Hardware

- CPU
 - » CPU
 - » ED-270M : PXA270(520MHz)
- Memory
 - » FLASH
 - » ED-270M : 32MByte
 - » SDRAM : 128MByte(32bits Access)
 - » SRAM : 1MByte(32bits Access)
- Display
 - » TFT LCD : Touch Pad(6.4inch), 16bits Color, 640x480
- Interface
 - » Ethernet
 - » 10/100Mbps Ethernet(SMSC LAN91C111)-2port
 - » 10Mbps Ethernet(CS8900A)-1port
 - » Serial Port
 - » Full Function UART-1port, Standard UART-1port
 - » Bluetooth UART-1port
 - » USB 1.1 : Host(SL811HST), Client
 - » USB 2.0 : TD242LP(HOST, OTG)
 - » PS/2 Port : Keyboard, Mouse
 - » Touch-Screen : ADS7846
- » Slot : PCMCIA - 1slot, CF-1slot, MMC/SD-1slot
- » RTC : Epson RTC4513 Real Time Clock
- » IrDA : HDSL3600
- » IDE : 44pin IDE Connector
- » PCI : 32bit PCI-1slot
- Control
 - » LED : Status LED
- Audio
 - » Stereo I/O : Cirrus CS4202
- Pin
 - » Ext. I/O : 80pinx2 Connector
 - » App. I/O : 20pin Connector
 - » Bluetooth I/O : 6pin Connector
 - » Servo Motor : 4port
- Debug
 - » Multi-ICE : Multi-ICE 20Pin Connector
 - » JTAG : PC Interface 10Pin Connector
- Basic Characteristics
 - » Input Voltage : 220V
 - » Size : 490(W) x 160(H) x 320(D)mm

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ED-270M

Software

• OS

- » Qplus/ESTO : ETRI Linux & Embedded System Tool Kit
- » WinCE, net 4.2 : Window CE
- » Boot Loader : uboot-1.1.4
- » Kernel : Linux-2.6.11
- » File System : Ramdisk(Image, Source)

• Software

- » Application
 - › Network Application Source
 - › Qt/Embedded Image
 - › Graphic & Text Display Control
 - › Application Source
 - › I/O Interface Application Source

» Device Driver

- › 8 bits LED
- › 7-Segment Control Source
- › UART Application Source(Bootloader)
- › Web Service & Remote Control Source
- › AC97 Audio Codec Driver Source
- › ADS7846 Touch-screen Driver Source
- › PCMCIA Device Driver Source
- › RTC4513 Device Driver Source
- › IrDA Device Driver Source
- › MMC/SD Device Driver Source
- › CF Card Device Driver Source
- › LAN91C111 Device Driver Source
- › LAN CS8900A Device Driver Source

ACCESSORIES

- Cable(Parallel, Serial, Ethernet, USB) : 1set
- JTAG Download Cable : 1ea
- Touch Screen Pen(Stylus Pen) : 1ea
- CD(Program Source, Circuit Diagram) : 1ea
- User Manual
- AC Power Cord : 1ea

OPTIONS

- I/O Module(1ea)
- Application Module(11ea)
- Carrying case for Application Module(1ea)