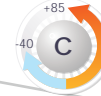# XTX-834E

Wide Range Operating Temperature Intel® Core™ Duo L2400 XTX™ CPU Module

Features

- Soldered Onboard Intel® Core™ Duo L2400 Processor
- Dual Channels 24-bit LVDS, and Analog RGB
- Multi-expansion (2 x SATA, 6 x USB, 2 x Serial Ports, 4 x PCI Masters, SDVO B/C Output Connector, and up to 4 x PCIe x1 Lanes)
- **Wide Range Operating Temp.: -40 ~ 85°C**

System

CPU	Soldered onboard Intel® Core™ Duo L2400 1.66GHz processor with 667MHz FSB
Memory	1 x 200-pin DDR2 SO-DIMM Socket supporting 400/533/667MHz SDRAM up to 2GB
Chipset	Intel® 945GME + ICH7M
BIOS	Phoenix-Award PnP Flash BIOS
Storage	1 x Ultra ATA, support 2 IDE devices
	2 x Serial ATA ports with 150MB/s HDD transfer rate
I/O Chip	Winbond W83627HG
Watchdog Timer	1~255 levels reset

I/O

Serial Port	2 x COM ports (2 x RS-232 via PBE-1400)
Parallel Port	SPP/EPP/ECP mode selectable
USB Port	6 x USB 2.0 ports
KB/MS	PS/2 interface for keyboard and mouse (via PBE-1400)
Expansion Bus	4 x PCI and support up to 4 x PCIe x1 slots (via customized carrier board) or up to 3 x PCIe x1 slots (via PBE-1400)

Ethernet

Chipset	1 x Realtek RTL8103EL 10/100Base-T Ethernet controller

Audio

CODEC/Interface	Realtek ALC655 6 Channel AC97 Audio Codec, Mic-in/Line-in/Line-out

Display

Graphics Chipset	Integrated Intel® Graphics Media Accelerator 950
Graphics Interface	Analog RGB support up to 2048 x 1536 @60Hz
	LCD: Dual channels 24-bit LVDS
	Support Dual Independent Displays
SDVO Interface	Intel® compliant SDVO B/C ports (serial DVO) 200 megapixel/sec, each supports external DVI, TV and LVDS transmitter (via customized carrier board or daughterboard)

Mechanical & Environmental

Power Requirement	+5V, 5VSB
Power Consumption	4.62A/5V
Operating Temp.	-40 ~ 85°C (-40 ~ 185°F)
Operating Humidity	0 ~ 90% (non-condensing)
Dimension (L x W)	114 x 95 mm (4.5" x 3.7")

Dimensions

Unit: mm
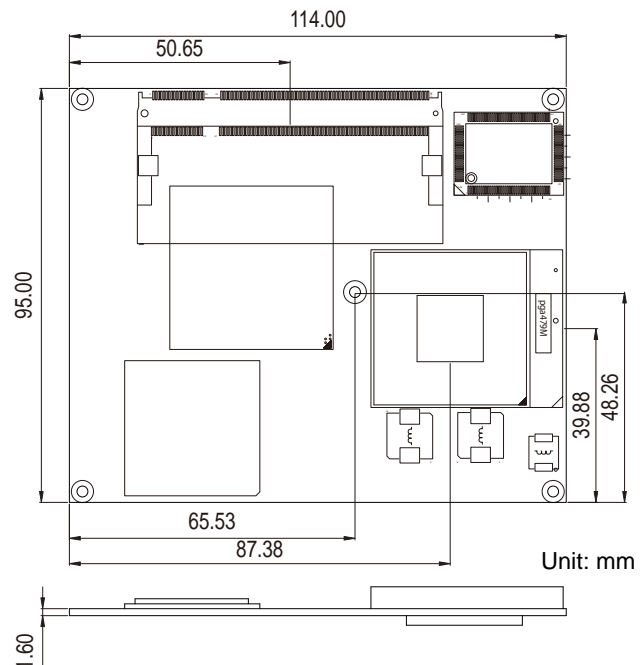
Ordering Information

XTX-834E/L2400	Intel® Core™ Duo L2400 XTX™ CPU module
HS-0832-F1	Heat spreader (114 x 95 x 20.8 mm)
PBE-1400	XTX™ evaluation board in ATX form factor

All specifications are subject to change without notice.