

## Features

- Onboard Intel® Atom™ Z530P/Z510P Processor
- Intel® System Controller Hub US15W
- SODIMM DDR2 400/533 Memory, Max. 2 GB
- 10/100Base-TX Ethernet
- Up to 24-bit LVDS LCD, SDVO Connector
- AC97 2.3 Codec 2CH Audio
- PATA SSD (Up To 16 GB) x 1, SATA 3.0Gb/s x 1 or PATA x 1
- USB2.0 x 6, Micro SD Connector
- PCI-Express [x1] x 1 (x 4 Optional)
- +5V Only Operation



## Specifications

System	
Form Factor	XTX
Processor	Onboard Intel® Atom™ Z530P/Z510P processor Z530P: 1.6 GHz/ FSB 533 MHz Z510P: 1.1 GHz/ FSB 400 MHz
System Memory	200-pin DDR2 SODIMM x 1, Max. 2 GB (DDR2 400/533)
Chipset	Intel® System Controller Hub US15W
I/O Chipset	SMSC 3114i
Ethernet	Realtek RTL8139D, 10/100Base-TX
BIOS	Award, PLCC type, 2MB ROM
Wake On LAN	—
Watchdog Timer	Generates a time-out system reset
H/W Status Monitoring	Supports power supply voltages, fan speed and temperature monitoring
Expansion Interface	4-bit SDIO PCI Express [x1] x 1 (x 4 optional) 32-bit PCI x 4 LPC Interface x 1 SM Bus x 1 I2C x 1
Battery	Lithium battery
Power Requirement	+5V DC
Power Consumption (Typical)	Intel® Z530 1.6 GHz, DDR2 667 2 GB, 0.26A@+12V, 2.9A@+5V w/TF-ECB-910M-A10-01
Board Size	4.5" (L) x 3.74" (W) (114mm x 95mm)
Gross Weight	0.66 lb (0.3kg)
Operating Temperature	32°F ~ 140°F (0°C ~ 60°C)
Storage Temperature	-40°F ~ 176°F (-40°C ~ 80°C)
Operating Humidity	0% ~ 90% relative humidity, non-condensing
MTBF (Hours)	113,000
Display	
Chipset	Intel® System Controller Hub US15W integrated
Memory	Shared system memory up to 256 MB
Resolutions	Up to 1366 x 768 @ 85 Hz (Max. pixel clock of 112 MHz) for LVDS Up to 1280 x 1024 @ 85 Hz (Max. pixel clock of 160 MHz) for SDVO
LCD Interface	Up to 24-bit single-channel LVDS
SDVO port	SDVO port x 1
I/O	
Storage	PATA SSD on board (Master device), Max. 16 GB (For TF-XTX-U15B-A10-02) PATA x 1 (One device) or SATA 3.0Gb/s x 1
Serial Port	2
Parallel Port	1
Universal Serial Bus	USB2.0 x 6
PS/2 Port	Keyboard x 1, Mouse x 1

Digital I/O	—
IrDA	One IrDA Tx/Rx header
Audio (Daughter Board)	Mic-in, Line-in, Line-out

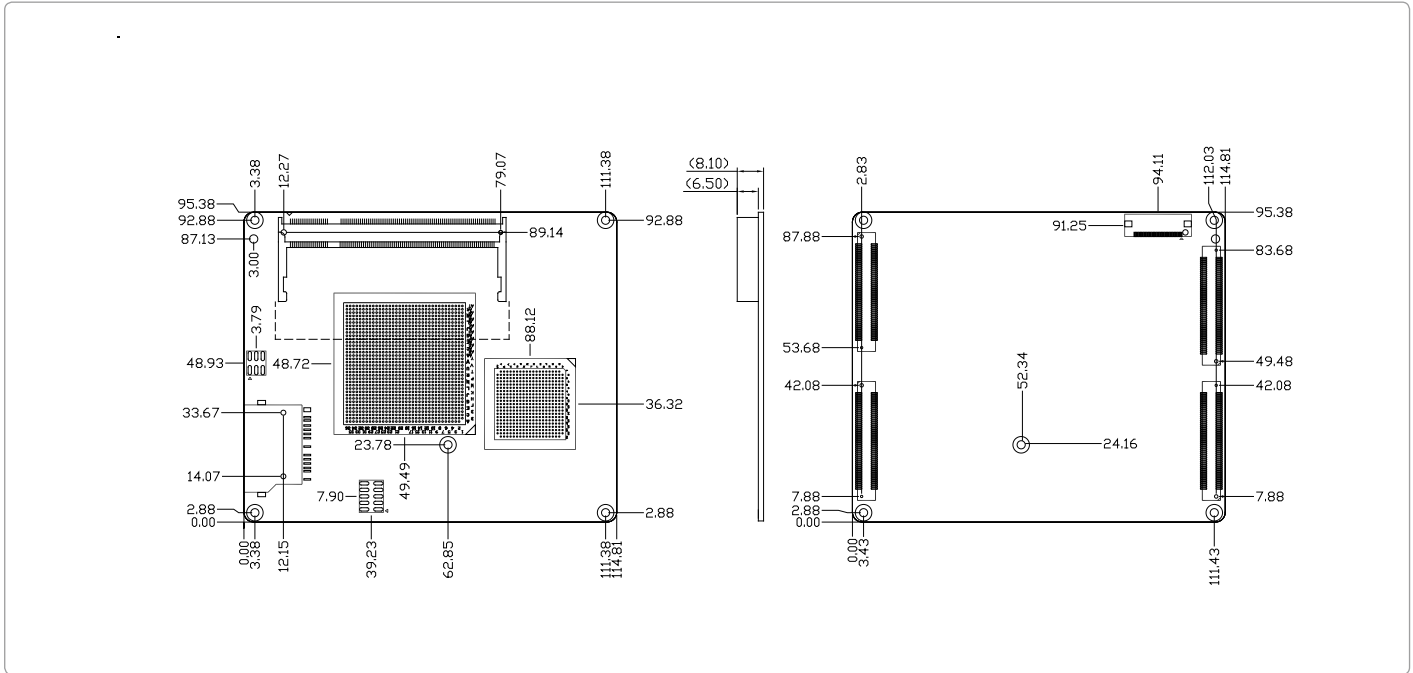
## Packing List

- M2.5 Screw x 4
- Product CD
- XTX-U15B

# XTX-U15B

## Dimension

Unit: mm



## Ordering Information

Part Number	CPU	Memory	Display	LVDS	Storage	LAN	USB2.0	KB/MS	URAT	LPT	Expansion Slot	Power	Temp
TF-XTX-U15B-A10	Intel® Atom™ Z510P/1.1G	DDR2 SODIMM x 1 Max.2GB	LVDS, SDVO	24-bit single channel	SATA2 x 1 or PATA x 1	FE x 1	6	1	2	1	PCI-E[1] x 1 32-bit PCI x 4	5V	0°C-60°C
TF-XTX-U15B-A10-01	Intel® Atom™ Z530P/1.6G	DDR2 SODIMM x 1 Max.2GB	LVDS, SDVO	24-bit single channel	SATA2 x 1 or PATA x 1	FE x 1	6	1	2	1	PCI-E[1] x 1 32-bit PCI x 4	5V	0°C-60°C
TF-XTX-U15B-A10-02	Intel® Atom™ Z530P/1.6G	DDR2 SODIMM x 1 Max.2GB	LVDS, SDVO	24-bit single channel	16G SSD SATA2 x 1 or PATA x 1	FE x 1	6	1	2	1	PCI-E[1] x 1 32-bit PCI x 4	5V	0°C-60°C

## Optional Accessories

- TF-ECB-910M-A10-02**  
 XTX Carrier Board, LAN, Audio, 2 COM, USB, PCI-E, SATA 2, AT/ATX, Rev. A1.0 (For XTX-LN/ XTX-U15B)
- TF-PER-A070**  
 Passive Heatsink, for Onboard CPU
- TF-PER-A071**  
 Heat Spreader Kit, for Onboard CPU
- TF-PER-V03B-A10-02**  
 SDVO to DVI Module
- TF-PER-V04B-A10-02**  
 SDVO to LVDS Module