

ENX-US15WP

Intel® Atom™ Processor Nano ITX Motherboard

Quickly Installation Guide

Packing List

Before you begin installing your single board, please make sure that the following parts have been shipped.

- 1 x US15WP Nano ITX Main board
- 1 x CD-ROM contains the followings:
 - User's Manual in PDF file
 - Drivers
- 1 x Cable Kit
 - 1 x COM1 Cable w/o Bracket (9P/2.00mm)
 - 1 x IDE Cable (44P-44P)
 - 1 x MD6M to MD6F*2 Cable
 - 1 x ATX Power Cable (6P-20P)
- 1 x Startup Manual

Disclaimer and Notice



The manufacturer reserves the right to make changes, without notice, to any product, including circuits and/or software described or contained in this manual in order to improve design and/or performance. The manufacturer assumes no responsibility or liability for the use of the described product(s), conveys no license or title under any patent, copyright, or masks work rights to these products, and makes no representations or warranties that these products are free from patent, copyright, or mask work right infringement, unless otherwise specified. For the detail product information, please refer to user's manual.

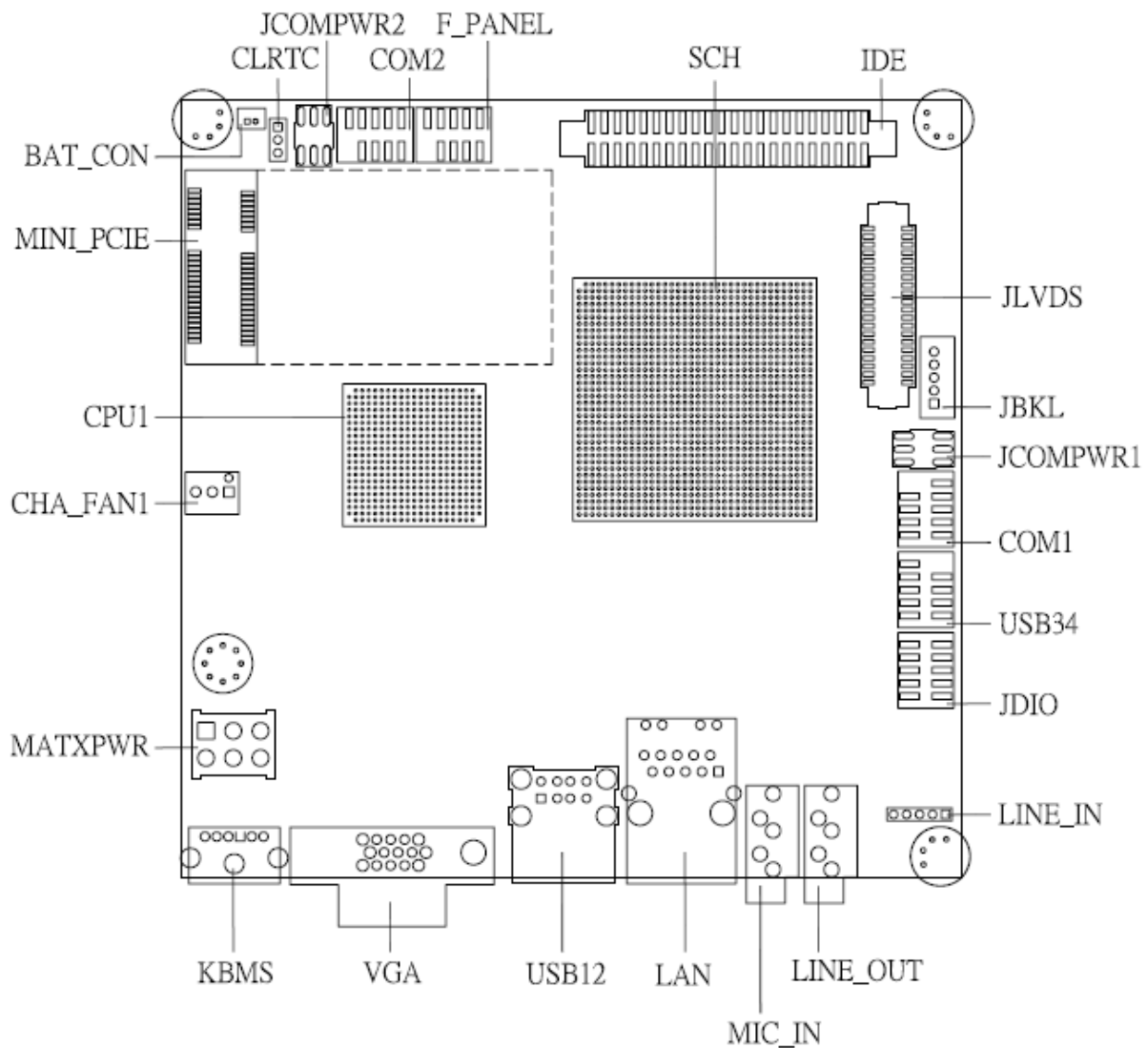
Safety Declaration



This device complies with the requirements in Part 15 of the FCC rules. Operation is subject to the following two conditions:

1. This device may not cause harmful interference.
2. This device must accept any interference received, including interference that may cause undesired operation.

Product Overview



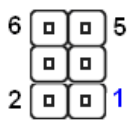
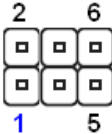
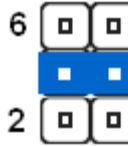
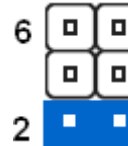



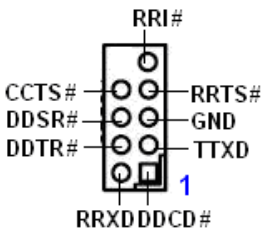
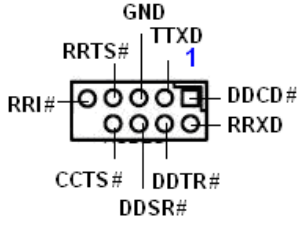
Specifications

System

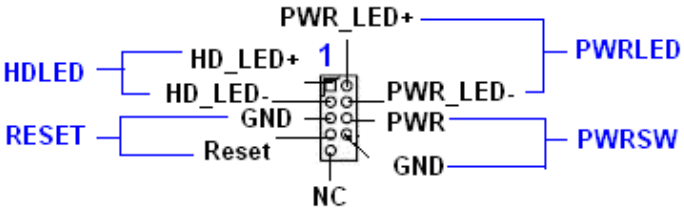
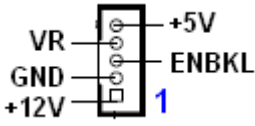
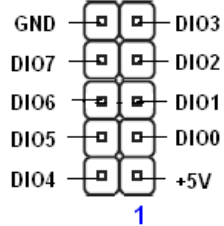
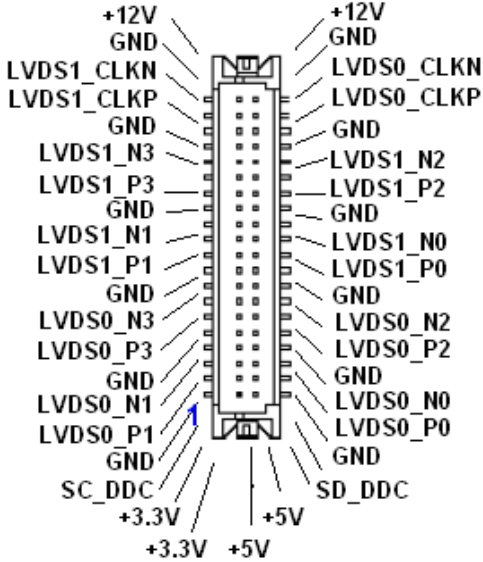
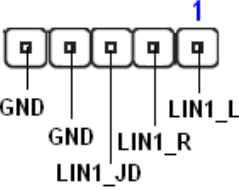
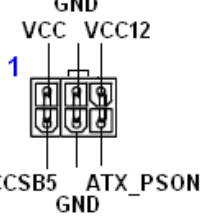
CPU	Intel® Atom™ processor Z510P 1.1GHz/Z530P 1.6GHz
FSB	400/533 MHz
BIOS	Award 8 Mb FWH BIOS
System Chipset	Intel® System Controller Hub US15WP
I/O Chipset	Winbond W83627DHG
Memory	1 x 200-pin SODIMM 2 GB DDR2 533 SDRAM
Watchdog Timer	Reset: 1 sec.~255 min. and 1 sec. or 1 min./step
H/W Status Monitor	Monitoring CPU temperature, voltage, and cooling fan status. Auto throttling control when CPU overheats
Expansion Slots	1 x Mini PCIe, 1 x CF
DIO	8-bit General Purpose I/O for 4 DI and 4 DO
S3 / S4	S3/S4
Wake up on LAN or Ring	Both (PXE / RPL / WOR)
SmartFan Control	Support 3 modes (Silent/Optimal/Performance)

Display	
Chipset	Intel® System Controller Hub US15WP
Display Memory	Intel® Graphics Media Accelerator 500 (Intel® GMA 500)
Max. Resolution	LVDS Display : 1366 x 768 @85 MHz Ext Display: 1280 x 1024 @ 85 Hz maximum resolution
Dual Display	Yes, LVDS+VGA
VGA	Yes
LVDS	Yes, 18/24 bit Single Channel
LVDS Backlight Power	Yes
Audio	
Audio Codec	Realtek ALC 888 (co-lay ALC 888VC)
Audio Interface	Mic in , Line out (2 jack) , Line in pin header
Ethernet	
LAN1	Realtek RTL 8111C Gigabit LAN

Jumpers				
Label	Function	Note		
CLRTC	Clear CMOS	Normal *	Clear CMOS	
				
JCOMPWR1, JCOMPWR2	COM1, COM2 RI/+5V/+12V Select	RI *	+5V	+12V
	<div>COM1</div> 	<div>COM2</div> 		

Connectors		
Label	Function	Note
CHA_FAN1	Chassis Fan Connector	Power Pin GND Sense 
COM1, COM2	Serial Port Connector	<div>COM1</div>  <div>COM2</div> 

Connectors

Label	Function	Note
F_PANEL	System Panel Connector	
JBKL	LCD Inverter Connector	
JDIO	Digital I/O Connector	
JLVDS	LVDS Connector	
LINE_IN	Audio Line-In Connector	
MATXPWR2	ATX Power Connector	
USB34	USB 2.0 Connector	