



# UTX-111

UTX Motherboard

## Spotlight Features

- Intel® Atom™ Baytrail-M/D Processor
  - UTX-111D (J1900)
  - UTX-111N (N2930)
- Integrated Intel® Gen7 Intel Graphics DX 11\*, OGL3.2
- Supports Single Channel DDR3L 1066/1333MHz, 1 x SO-DIMM, up to 4/8GB system memory
- 2 x HDMI, 1 x Dual Channel 24-bit LVDS
- 1 x USB 3.0, 2 x USB 2.0, 1 x SATA2
- 1 x mini-PCIe(1 x Half size), 1 x mSATA (Full size, co-lay with mini-PCIe function)
- Gigabit LAN : 2 x Intel 210 x 1
- 12 V DC-in
- Soc Buttom up design

## Specifications

### Processor System

Dimensions	111.76 x 116.84 mm(10 layer)
CPU	Intel® New Atom™ Baytrail-M/D J1900 / N2930 / N2807 Supports Hyper-Threading Technology
Core Number	(By CPU, Max 4)
Max Speed	(By CPU)
L2 Cache	(By CPU)
Chipset	(By CPU)
BIOS	UEFI

### Expansion Slot

PCI	0
Mini-PCIe	1 x full size co-lay with mSATA
mSATA	1 (Full Size)
SIM slot	1
CFast Card Socket	0

### Memory

Technology	Single Channel DDR3L 1066/1333 MHz SDRAM
Max.	4/8GB
Socket	1 x SO-DIMM

### Graphics

Controller	Intel® Gen7 Intel Graphics DX 11*, OGL3.2
VRAM	Shared Memory
VGA	Supports max. resolution 1920X1200
LVDS	Dual channel 24-bit, max resolution 1920 x 1200@60Hz
HDMI	Supports HDMI 1.4a, max resolution 1920x1200
DVI	No
Display Port	No
Multi Display	Yes (Dual Display)

### Ethernet

Interface	10/100/1000 Mbps
Controller	2 x Intel 210
Connector	2 x RJ-45

### SATA

Max Data Transfer Rate	SATA2 (3.0Gb/s)
------------------------	-----------------

### Rear I/O

VGA	0
HDMI	2 (1 x HDMI, 1 x Micro HDMI)
DVI-I/D	0
Display Port	0
Ethernet	2
USB	1 x USB 3.0 Compliant, 1 x USB2.0 Compliant 1 x Micro USB 2.0 SMT type connector
Audio	1 ( Line out/Mic out)
Serial	0
e-SATA	0
PS/2	0

### Internal Connector

USB	0
LVDS/Inverter	1/1
VGA	1 (Pin heater 2.0 mm Pitch)
Serial	(RS-232/422/485 x 1, RS232 x 1) Pin heater 2.0 mm pitch COM1 Pin9 (+5V & +12V)
SATA	1 x SATA2 (3.0Gb/s)
m-SATA	1
Mini-PCIe	2 (full/Half size)
Parallel	0
IrDA	0
GPIO	4 x GPI + 4 x GPO Pin heater 2.0 mm pitch
SATA PWR Output Con	1
Speaker Header	1

### Watchdog Timer

Output	From Super I/O to drag RESETCON#
Interval	256 segments, 0,1,2...255sec/min

### Power Requirements

Input PWR	12V DC Jack
Power On	AT/ATX Supported AT: Directly PWR on as Power input ready ATX: Press Button to PWR on after Power input ready

### Environment

Operating Temperature	0°C – 60°C
-----------------------	------------

The specification is subject to change without notice. The brand and product names are trademarks of their respective companies. Any configuration other than original product specification is not guaranteed.

## Assured Systems

Assured Systems is a leading technology company with over 1,500 regular clients in 80 countries, deploying over 85,000 systems to a diverse customer base in 12 years of business. We offer high-quality and innovative rugged computing, display, networking and data collection solutions to the embedded, industrial, and digital-out-of-home market sectors.

### US

[sales@assured-systems.com](mailto:sales@assured-systems.com)

Sales: +1 347 719 4508  
Support: +1 347 719 4508

1309 Coffeen Ave  
Ste 1200  
Sheridan  
WY 82801  
USA

### EMEA

[sales@assured-systems.com](mailto:sales@assured-systems.com)

Sales: +44 (0)1785 879 050  
Support: +44 (0)1785 879 050

Unit A5 Douglas Park  
Stone Business Park  
Stone  
ST15 0YJ  
United Kingdom

VAT Number: 120 9546 28  
Business Registration Number: 07699660