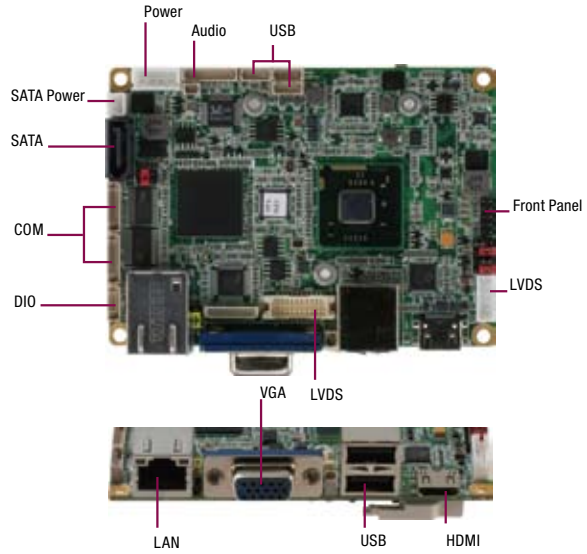
PICO-CV01

PICO-ITX Fanless Board With HDMI and Intel® Atom™ N2600 Processor



Features

- Intel® Atom™ N2600 Processor up to 1.6 GHz
- SODIMM DDR3 800MHz Memory up to 2 GB
- Gigabit Ethernet x 1
- HDMI Support
- 18-bit Single Channel LVDS LCDs
- HD Audio for Line-in/out & Mic
- mSATA/ Mini Card (Half size) x 1, SATA 2 x 1
- USB2.0 x 5, COM x 2, 4-bit Digital I/O
- DC 12V Power Input

Specifications

System	
Form Factor	PICO-ITX Board
Processor	Intel® Atom™ N2600 Processor up to 1.6 GHz
System Memory	SODIMM DDR3 800MHz up to 2 GB
Chipset	Intel® Atom™ N2600 + NM10
I/O Chipset	Fintek F81801U-I
Ethernet	Realtek RTL8111E for 10/1000/1000Base-TX, RJ-45 x 1
BIOS	AMI–32Mb ROM
Wake On LAN	Yes
Watchdog Timer	255 levels
H/W Status Monitoring	Vcore, +1.5V_DDR
Expansion Interface	Mini Card/ mSATA (half size) x 1
Battery	Lithium battery
Power Requirement	+12V, AT/ATX (Default)
Power Consumption (Typical)	9.96W@ Intel® Atom™ N2600 1.6GHz, DDR3 800MHz 2GB, DC 12V input
Board Size	3.94" (L) x 2.756" (W) (100mm x 72mm)
Gross Weight	1.7 lb (0.768 Kg)
Operation Temperature	32 °F ~ 140 °F (0 °C ~ 60 °C)
Storage Temperature	-40 °F ~ 176 °F (-40 °C ~ 80 °C)
Operation Humidity	0% ~ 90% relative humidity, non-condensing
MTBF (Hours)	95,000
Display	
Chipset	Intel Atom™ N2600 Processor
Resolution	LVDS up to 1366 x 768 (18 bit) @ 60Hz; VGA & HDMI up to 1920 x 1200 @ 60Hz
LCD Interface	18-bit single channel LVDS with PWM function
I/O	
Storage	SATA3.0 Gb/s x 1, mSATA x 1
Serial Port	RS-232 X 1, RS-232/422/485 X 1
Parallel Port	—
Universal Serial Bus	USB 2.0 x 5
PS/2 Port	—
Digital I/O	4-bit Digital I/O (Programmable, 2-in/2-out)
Audio	Buzzer x 1, HD Audio Code (Realtek ALC662) for Line-in/out & Mic x 1



Packing List

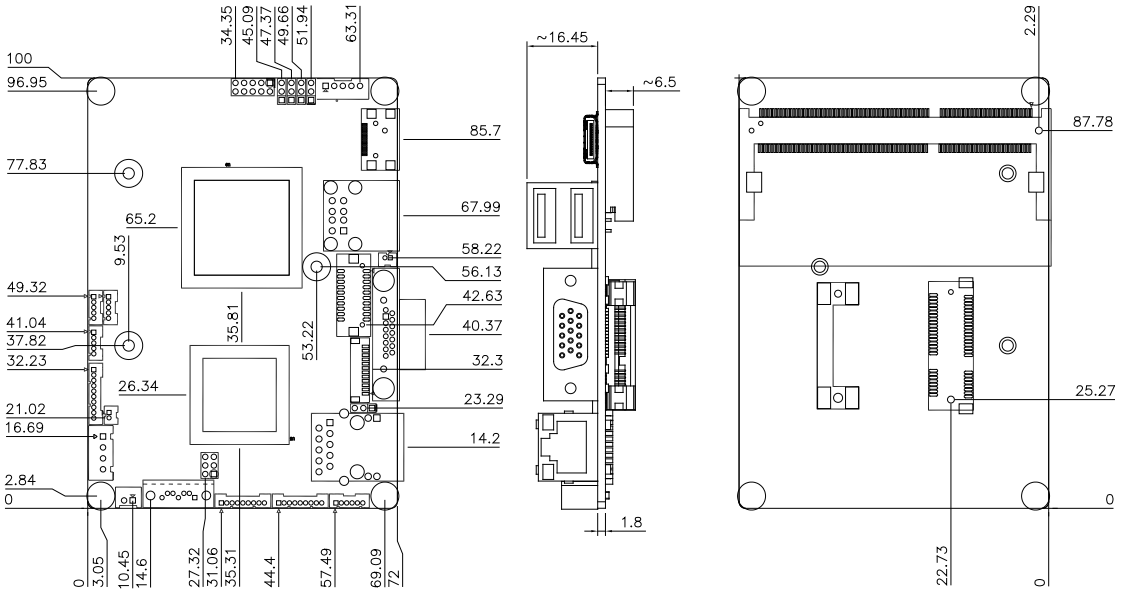
- **170204010S**
  MB Power Cable
- **1709070500**
  SATA data Cable
- **1702150155**
  SATA Power Cable
- **9657666600**
  Jumper Cap
- **Product CD**
- **PICO-CV01 w/Heatsink**

Note: All specifications are subject to change without notice.

PICO-CV01

Dimension

Unit: mm



Component side

Solder side

Ordering Information

Part Number	CPU	RAM	Fan/Fanless	Display	Storage	LVDS	LAN	USB	RS-232	RS-232/422/485	Expansion Slot	Power	Temp.
PICO-CV01-A10	Inte® Atom™ N2600	SODIMM	Fanless	CRT+LVDS, CRT+HDMI	SATA2 x 1, mSATA x 1	18b, 1CH	GbE x 1	5	1	1	Mini Card x 1 or mSATA (Half-size) x 1	DC12V	0°C ~ 60°C

Optional Accessories

- **1700050207**
  USB Cable, Length 20cm
- **1701090150**
  COM1 Cable, Length 15cm
- **1709100254**
  AUDIO Cable, Length 25cm
- **1701100156**
  Front Panel Cable, Length 15cm
- **1701090150**
  COM 2 Cable For RS-232, Length 15cm
- **1701090151**
  COM 2 Cable For RS-422/485, Length 15cm
- **170302010C**
  Buzzer Cable