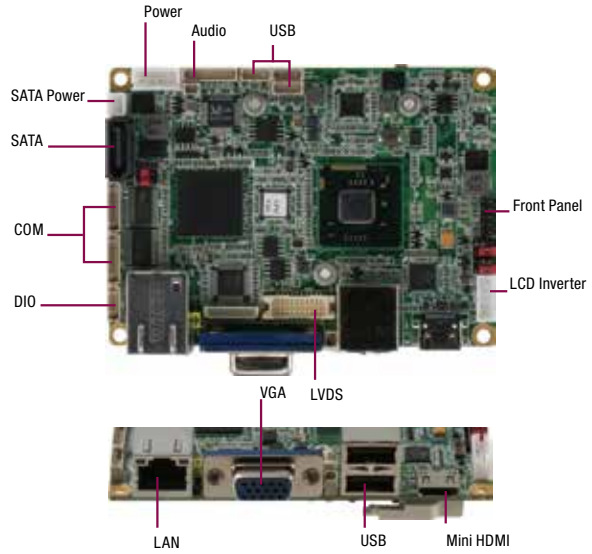
# PICO-CV01

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




## Features

- **Intel® Atom™ N2600 Processor up to 1.6 GHz**
- **204-pin SODIMM DDR3 800MHz Memory up to 2 GB**
- **Gigabit Ethernet x 1, RJ-45 x 1**
- **Mini 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**
- **+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) | Intel® Atom™ N2600 1.6GHz, DDR3 800MHz 2GB 0.83A@+12V |
| Board Size | 3.94" (L) x 2.756" (W) (100mm x 72mm) |
| Gross Weight | 1.2 lb (0.5 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 (Shared with Mini Card control by BIOS) |
| Serial Port | RS-232 x 1, RS-232/422/485 x 1 |
| Parallel Port | — |
| USB | USB 2.0 x 5 |
| PS/2 Port | — |
| Digital I/O | 4-bit Digital I/O (Programmable, 2-in/2-out) |
| Audio | Audio Buzzer x 1, HD Audio Code (Realtek ALC662) for Line-in/out & Mic x 1 |

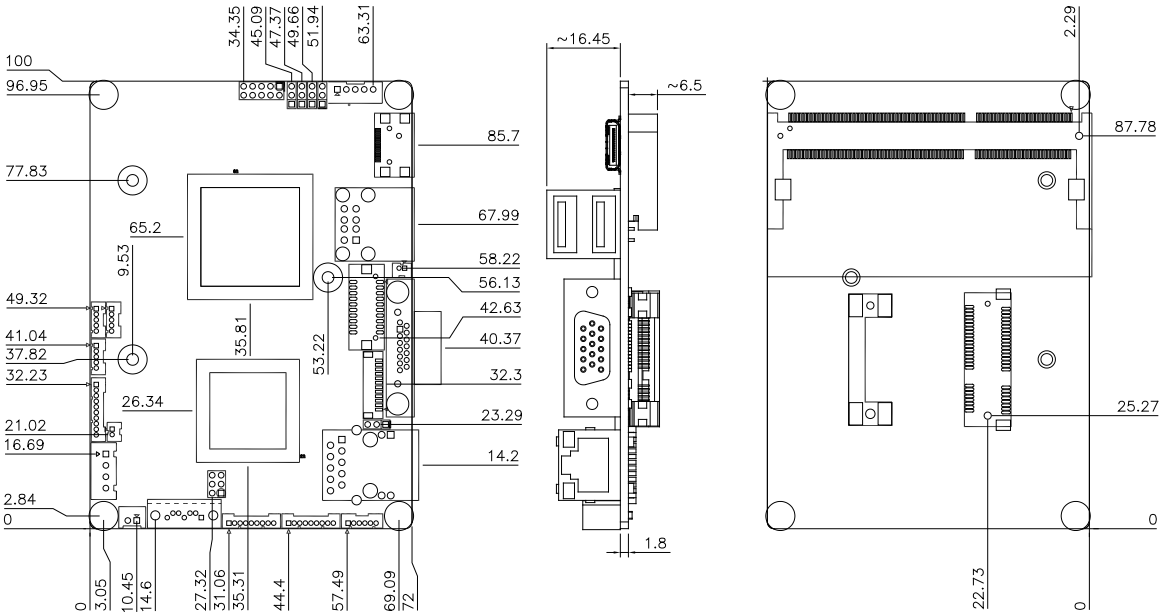
## Packing List

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

# PICO-CV01

## Dimension

Unit: mm




## 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-A10-10 | 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 | +12V, AT/ATX | 0°C ~ 60°C |
| PICO-CV01W1-A10-10 | 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 | +12V, AT/ATX | -20°C ~ 70°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
- **170302010C**
  Buzzer Cable