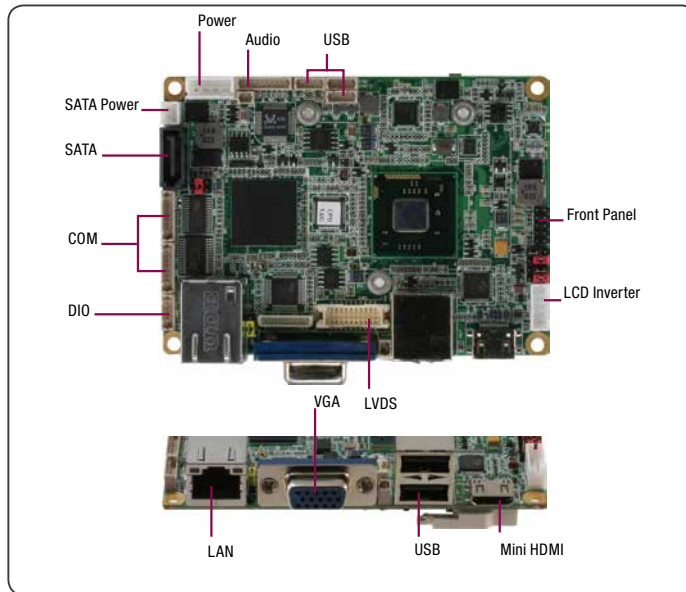


05 PICO-CV01

Pico-ITX Boards

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



Features

- Intel® Atom™ N2600 Processor Up to 1.6 GHz
- 204-pin DDR3 800 MHz SODIMM x 1, 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
CPU	Intel® Atom™ N2600 Processor
CPU Frequency	1.6GHz Dual Core
Chipset	N2600 + NM10
Memory Type	SODIMM DDR3 1066MHz
Max. Memory Capacity	2 GB
BIOS	AMI 32MB
Wake On LAN	Yes
Watchdog Timer	255 Levels
Power Requirement	+12V only
Power Supply Type	AT / ATX
Power Consumption (Typical)	Intel® Atom™ N2600 1.6GHz, DDR3 800MHz 2GB, 0.83A@12VDC
System Cooling	Fanless, Heat-sink
Dimension	3.94" x 2.84" (100mm x 72mm)
Gross Weight	1.1 lb (0.5 kg)
Operating Temperature	32°F ~ 140°F (0°C ~ 60°C), -4°F ~ 158°F (-20°C ~ 70°C) WITAS 1
Storage Temperature	-40°F ~ 176°F (-40°C ~ 80°C)
Operating Humidity	0% ~ 90% relative humidity, non-condensing
MTBF (Hours)	95,000
Certification	CE, FCC
Display	
Chipset	Intel® Atom™ N2600 integration
Resolution	VGA up to 1920x 1200 @60Hz uHDMI up to 1920 x 1200 @60Hz LVDS (18bit) up to 1366 x768 @60Hz
LCD Interface	18bit Single Channel LVDS with PWM function
I/O	
Storage/SSD	SATA 3.0Gb/s x 1, mSATA/Mini-Card x 1
Ethernet	Realtek RTL 8111E, 10/100/1000Base-TX x 1
USB Port	USB2.0 x 5
Serial Port	RS-232 x 1, RS-232/422/485 x 1
Audio	Audio Buzzer x 1, HD Audio Codec(ALC662) for Mic-in/Line-in/Line-out
DIO	4-bit (2-in, 2-out)
Expansion Slot	—
SIM	—
TPM	—
Touch	—

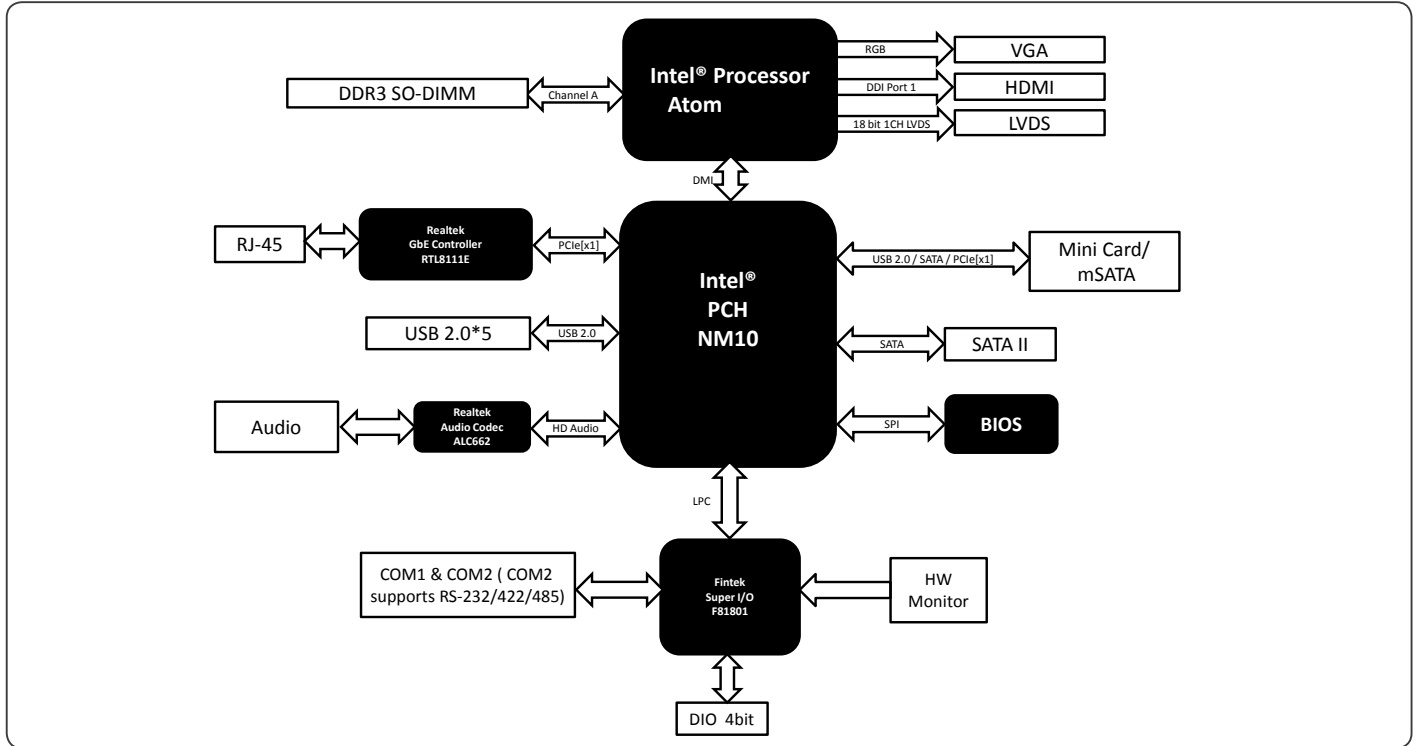
Packing List

- **170204010S**
MB Power Cable
- **1709070500**
SATA data Cable
- **1702150155**
SATA Power Cable
- **M16CV01040**
Low profile standard heat-sink for PICO-CV01-A10-11
- **M16CV01020**
WITAS I heat-sink for PICO-CV01W1-A10-10
- **Product DVD**
- **PICO-CV01**
Remark: The packing include one heat-sink only.

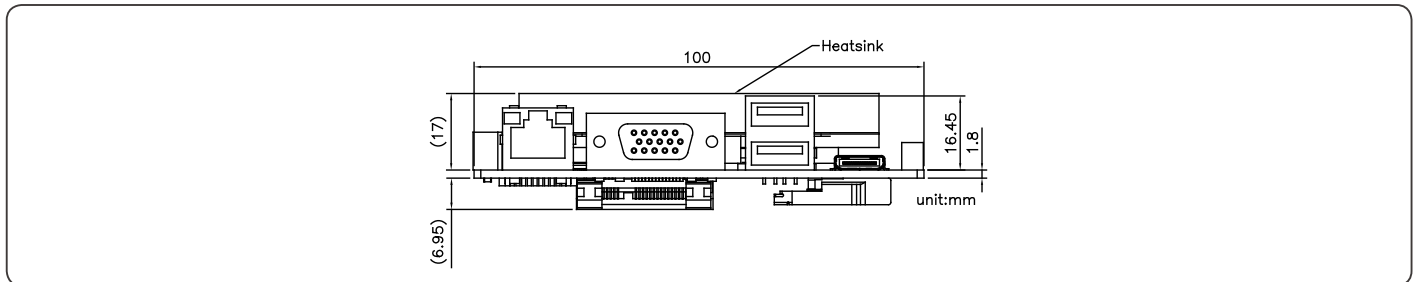
Optional Accessories

Part Number	Description	Qty.
1700050207	USB Cable, Length 20cm	3
1701090150	COM Cable, Length 15cm	2
1709100254	AUDIO Cable, Length 25cm	1
1701100156	Front Panel Cable, Length 15cm	1
170302010C	Buzzer Cable	1

Block Diagram



Dimension Unit: mm



Ordering Information

Part Number	CPU	RAM	Fan/Fanless	Display	LVDS	Storage	LAN	USB	RS-232	RS-232/422/485	Expansion Slot	Power	Power Temp	Others
PICO-CV01-A10-11	Atom™ N2600	DDR3	Fanless	CRT+ LVDS, CRT+ mHDMI	18b 1CH	SATA 2 x 1, mSATA/Mini-Card x 1	GbE x 1	UBS2.0 x 5	1	1	DIO 4-bit	+12V (ATX)	32°F ~ 131°F (0°C ~ 60°C)	Audio
PICO-CV01W1-A10-10	Atom™ N2600	DDR3	Fanless	CRT+ LVDS, CRT+ mHDMI	18b 1CH	SATA 2 x 1, mSATA/Mini-Card x 1	GbE x 1	UBS2.0 x 5	1	1	DIO 4-bit	+12V (ATX)	-20°C ~ 70°C (WITAS 1)	Audio

Note:
Intel® Atom™ Processor D2000 series and N2000 series (CV) do NOT support DMA function that may affect ECP mode of Parallel port.