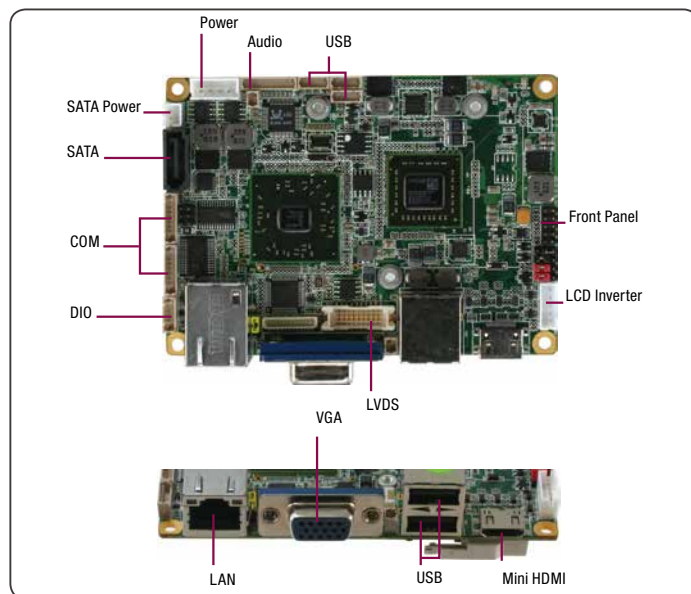


# 05 PICO-HD01

Pico-ITX Boards

## Pico-ITX Fanless Board with HDMI and AMD G-Series T40E/T40R Processor



### Features

- Onboard AMD G-Series T40E/T40R Single/Dual Processor
- AMD G-Series CPU + A50M
- 204-pin DDR3 1066 MHz SODIMM x 1, Up to 4 GB
- Gigabit Ethernet x 1, RJ-45 x 1
- CRT, 18-bit Single Channel LVDS, Mini HDMI
- 2CH HD Audio
- SATA 3.0 Gb/s x 1, mSATA (Half-Size) Slot x 1 (Shared with Mini-Card)
- USB 2.0 x 5, COM x 2, 4-bit Digital I/O
- +12V Operating

### Specifications

System	
Form Factor	Pico-ITX
CPU	AMD G-series T40E (Dual Core)/T40R (Single Core) Processor
CPU Frequency	1.0 GHz Dual Core
Chipset	G-Series T40E+ A50M
Memory Type	SODIMM DDR3 1066MHz
Max. Memory Capacity	4 GB
BIOS	AMI 32Mb
Wake On LAN	YES
Watchdog Timer	255 Levels
Power Requirement	+12V only
Power Supply Type	AT/ATX
Power Consumption (Typical)	AMD T-40R 1.0 GHz, DDR3 1066MHz 2GB, 0.91A@12V DC
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)
Storage Temperature	-40°F ~ 176°F (-40°C ~ 80°C)
Operating Humidity	0% ~ 90% relative humidity, non-condensing
MTBF (Hours)	89,000
Certification	CE,FCC
Display	
Chipset	Integrated decoders in AMD G-series
Resolution	VGA up to 1920x 1200 @60Hz uHDMI up to 1920 x 1200 @60Hz LVDS (18bit) up to 1366 x 768 @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	—



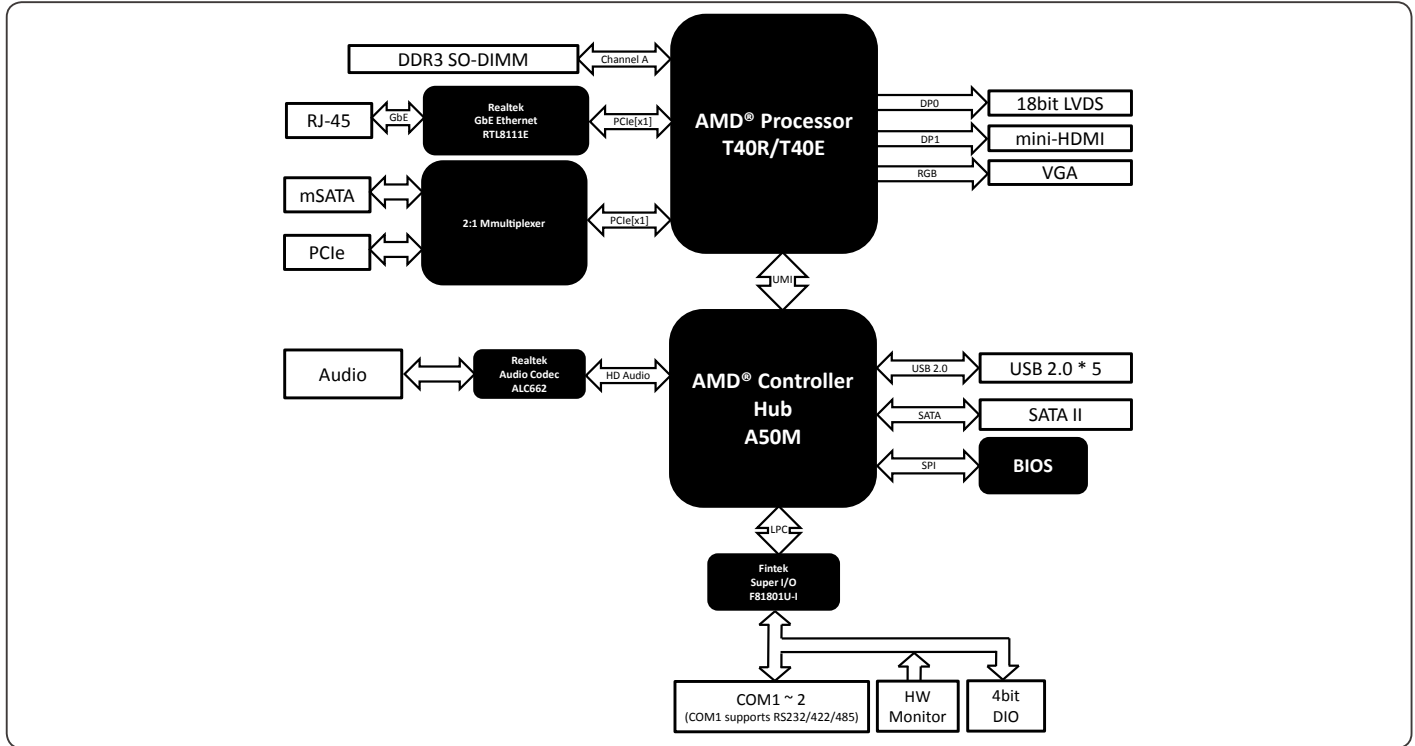
### Packing List

- 170204010S  
MB Power Cable
- 1709070500  
SATA data Cable
- 1702150155  
SATA Power Cable
- Product DVD
- PICO-HD01 w/Heatsink

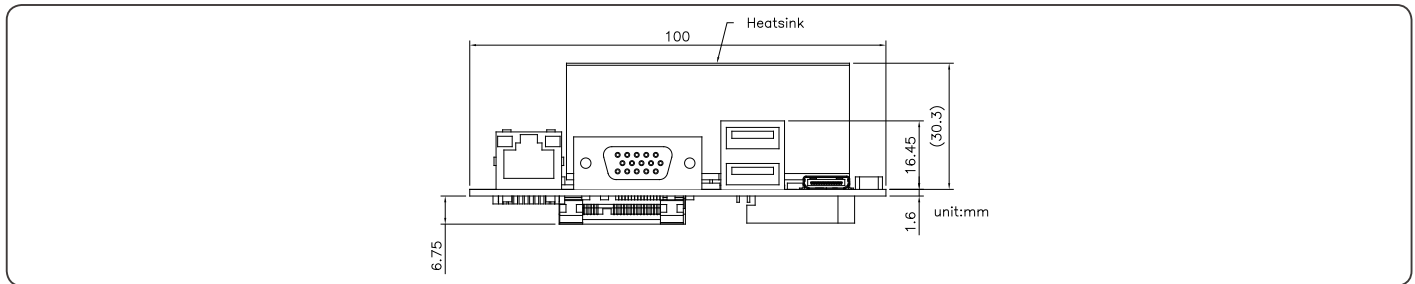
### Optional Accessories

Part Number	Description	Qty.
1700050207	USB Cable, Length 20cm	1
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 Unit: mm



## 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-HD01-A10	AMD T40E	DDR3	Fanless	CRT+ LVDS, CRT+ mHDMI	18b 1CH	SATA 2 x 1, mSATA/Mini-Card x 1	GbE x 1	USB2.0 x 5	1	1	DIO 4-bit	+12V (ATX)	32°F ~ 131°F (0°C ~ 60°C)	Audio
PICO-HD01-A10-01	AMD T40R	DDR3	Fanless	CRT+ LVDS, CRT+ mHDMI	18b 1CH	SATA 2 x 1, mSATA/Mini-Card x 1	GbE x 1	USB2.0 x 5	1	1	DIO 4-bit	+12V (ATX)	32°F ~ 131°F (0°C ~ 60°C)	Audio