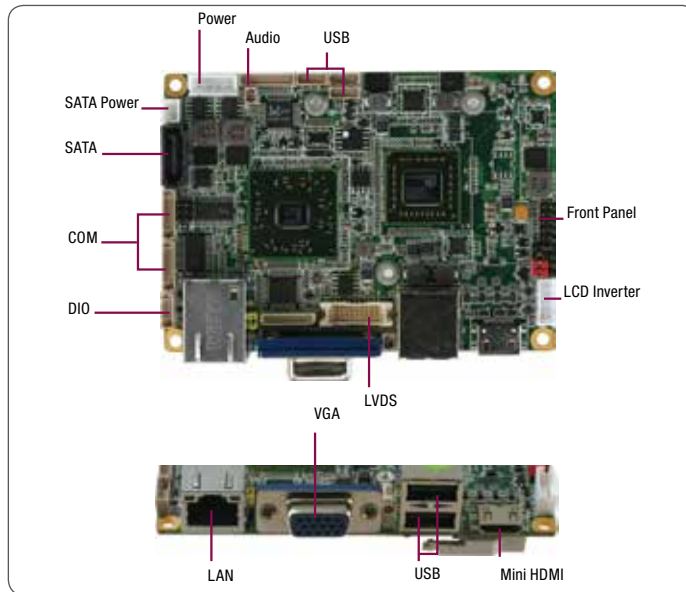


PICO-HD01

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 Board
Processor	AMD G-Series T40E/T40R 1 GHz
System Memory	204-pin DDR3 1066 MHz SODIMM x 1, up to 4 GB
Chipset	AMD G-Series +A50M
I/O Chipset	Fintek F81801U-I
Ethernet	Realtek 8111E for 10/1000/1000Base-TX, RJ-45 x 1
BIOS	AMI-32Mb ROM
Wake On LAN	Yes
Watchdog Timer	Programmable 255 level System Reset
H/W Status Monitoring	Vcore, +1.5V_DDR
Expansion Interface	Mini-Card(Half-size), 4-bit DIO
Battery	Lithium battery
Power Requirement	+12V, AT/ATX (default)
Power Consumption (Typical)	AMD G-Series T40E 1 GHz, DDR3 1066 MHz 4 GB, 1.02A@+12V
Board Size	3.94"(L) x 2.756"(W) (100mm x 72mm)
Gross Weight	1.1 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)	89,000
Display	
Chipset	AMD G-Series T40E/T40R 1 GHz
Resolution	LVDS up to 1366 x 768 (18 bit) @ 60 Hz; VGA & HDMI up to 1920 x 1200 @ 60 Hz
LCD Interface	18-bit single channel LVDS with PWM function
I/O	
Storage	SATA x 1, mSATA x 1 (Shared with Mini-Card control by BIOS)
Serial Port	RS-232 x 1, RS-232/422/485 x 1 (Internal Pin-Header X 2)
USB	USB 2.0 x 5
Digital I/O	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

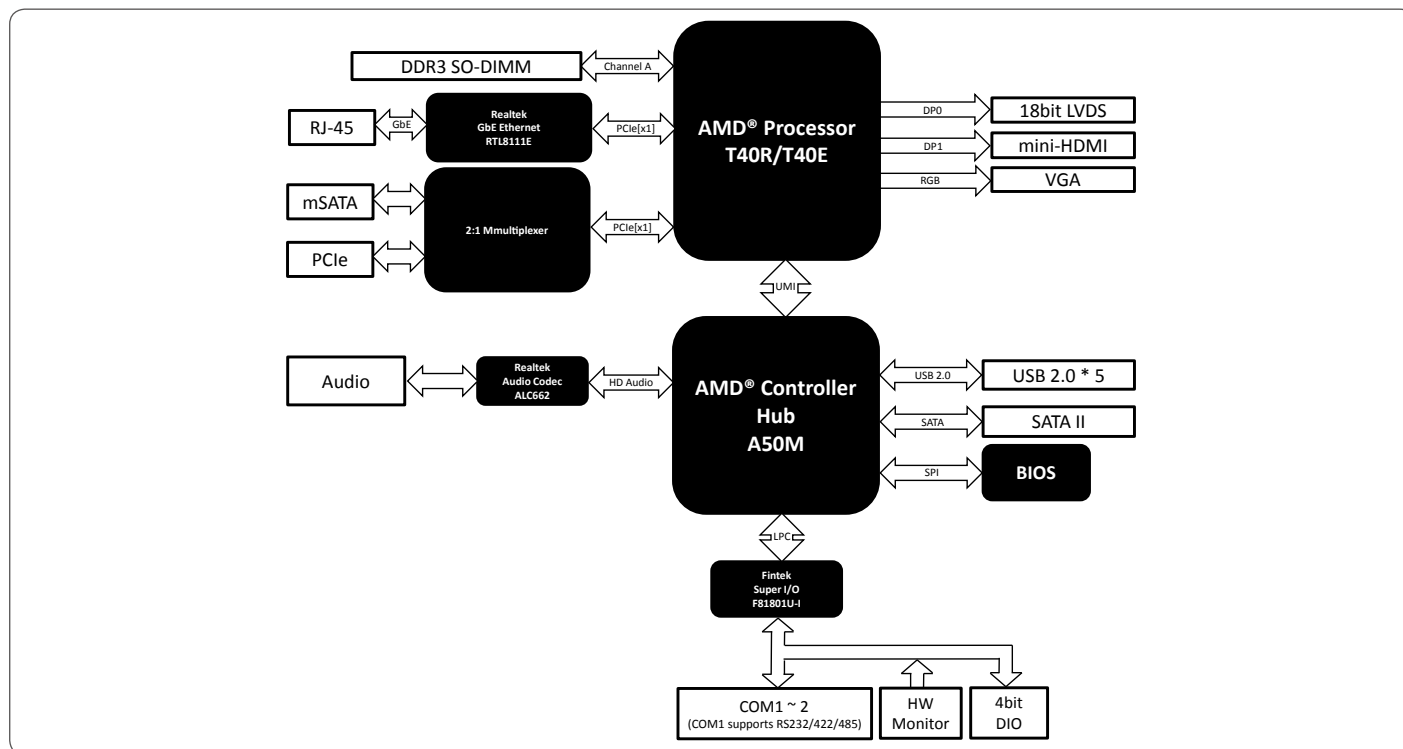
- 170204010S
MB Power Cable
- 1709070500
SATA data Cable
- 1702150155
SATA Power Cable
- Product DVD
- PICO-HD01 w/Heatsink

Optional Accessories

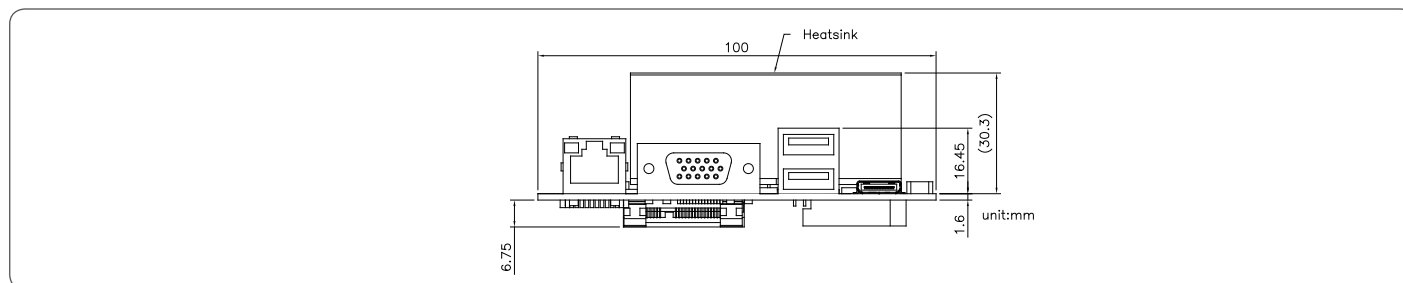
- 1700050207
USB Cable, Length 20cm
- 1701090150
COM1 Cable, Length 15cm
- 1709100254
AUDIO Cable, Length 25cm
- 1701100156
Front Panel Cable, Length 15cm
- 1701090150
COM 2 Cable For RS-232, Length 15cm
- 170302010C
Buzzer Cable

PICO-HD01

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	UBS2.0 x 5	1	1	DIO 4-bit	+12V (ATX)	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	UBS2.0 x 5	1	1	DIO 4-bit	+12V (ATX)	0°C ~ 60°C	Audio