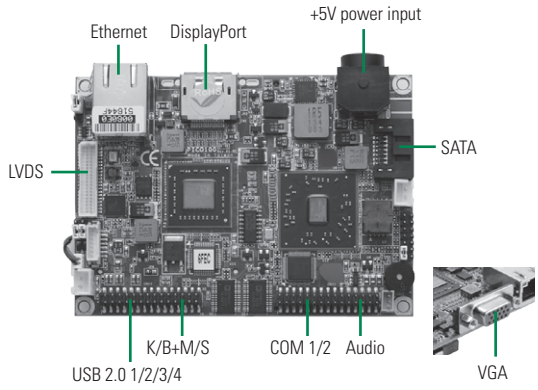
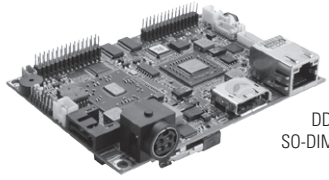
PICO100

Pico-ITX SBC with AMD G-Series APU, AMD A50M, LVDS/DisplayPort (VGA), LAN and Audio

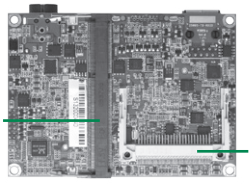
Features

- AMD G-Series APU T40E (1.0 GHz)/T40R (1.0 GHz)
- 1 DDR3-1066 SO-DIMM, up to 4GB
- 4 USB 2.0 ports
- 2 COM ports

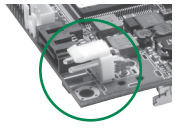




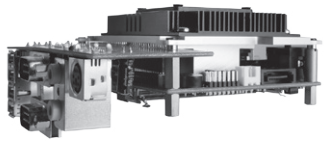
▲ Side view



▲ Rear view



▲ Internal power connector (Optional)



▲ Assembly view

Core System

CPU	AMD G-Series APU T40E 1.0 GHz dual core or T40R 1.0 GHz single core onboard
System Memory	1 x 204-pin DDR3-1066 SO-DIMM, up to 4GB
Chipset	AMD A50M
BIOS	AMI UEFI BIOS
SSD	1 x CompactFlash™
Watchdog Timer	255 levels, 1 ~ 255 sec.
Expansion Interface	N/A
Battery	Lithium 3V/220mAH
Power Input	DC power jack connector +5V DC-in only AT Auto Power On function supported
Power Requirements	AMD G-Series APU T40E @ 1.0 GHz, 1GB DDR3 Max. RMS: +5V @ 3.16A AMD G-Series APU T40R @ 1.0 GHz, 1GB DDR3 Max. RMS: +5V @ 2.93A
Size	100 x 72 mm
Board Thickness	1.6 mm
Operating Temperature	0°C ~ +60°C (32°F ~ 140°F), operation
Relative Humidity	10% ~ 95% relative humidity, non-condensing

I/O

MIO	1 x PS/2 keyboard and mouse 2 x RS-232
SATA	1 x SATA-600
Hardware Monitoring	Detect CPU/system temperature and voltage
Ethernet	1 port as 10/100/1000 Mbps supports Wake-on-LAN, RPL/PXE Boot ROM with Realtek RTL8111E
Audio	HD Codec audio as MIC-in/Line-out with Realtek ALC662
USB	4 x USB 2.0
SMBus	System Management Bus for advanced monitoring/control
Digital I/O	N/A

Display

Chipset	AMD G-Series APU integrated graphics engine T40E/ T40R - Radeon™ HD6250
Memory Size	Max. up to 2GB in 4GB DDR3 module
Display Interface	1 x VGA or 1 x DisplayPort 1 x LVDS; 18-bit single channel

Packing List

Standard
Quick installation guide, user's manual/utility CD, cable and accessories

Accessories

Part Number	Description	Qty
E393238101	AX93238 I/O board	1
59411208000E	SATA cable	1
59405300610E	SATA power cable	1

Ordering Information

Standard	
PICO100VGA-T40E (P/N: E38H100109)	Pico-ITX SBC with AMD G-Series APU T40E 1.0 GHz processor, VGA/LVDS, 1 GbE LAN, 2 COM, SATA-600 and audio
PICO100PGA-T40E (P/N: E38H100111)	Pico-ITX SBC with AMD G-Series APU T40E 1.0 GHz processor, DisplayPort/LVDS, 1 GbE LAN, 2 COM, SATA-600 and audio
PICO100VGA-T40R (fanless) (P/N: E38H100110)	Pico-ITX SBC with AMD G-Series APU T40R 1.0 GHz processor, VGA/LVDS, 1 GbE LAN, 2 COM, SATA-600 and audio
PICO100PGA-T40R (fanless) (P/N: E38H100112)	Pico-ITX SBC with AMD G-Series APU T40R 1.0 GHz processor, DisplayPort/LVDS, 1 GbE LAN, 2 COM, SATA-600 and audio

Optional	
5938H820010E	COM x 2 + audio cable
5938H820000E	USB x 4 + Mini DIN cable
5948H823000E	DC power cable (for internal power connector)
59040131000E	DisplayPort to DVI cable, L=220 mm
59050203000E	DisplayPort to HDMI cable, L=185 mm
59091501000E	DisplayPort to DisplayPort cable, L=1500 mm

* All specifications and photos are subject to change without notice.

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