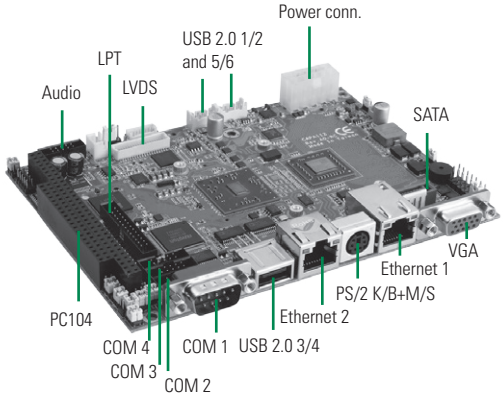
CAPA112

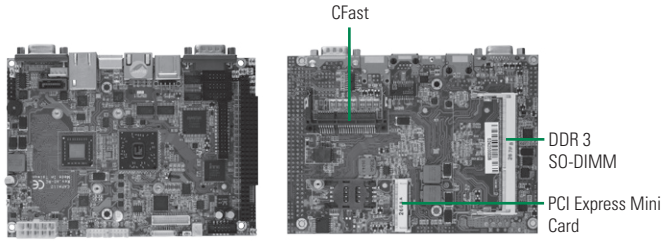
AMD G-Series APU 3.5" Embedded SBC with AMD A55E, LVDS/VGA, Dual LANs and Audio, Dual LANs, Audio and PC/104



PCIe Mini | CFast™ | AMD Embedded Solutions G-Series APU | Fanless | Low Power | DualView | Ext. Temp | DDR3

Features

- AMD G-Series APU T16R (615 MHz)/ T40E (1.0 GHz)
- AMD A55E FCH
- 1 DDR3 SO-DIMM supports up to 4 GB memory capacity
- 6 USB 2.0 ports
- 4 COM ports
- 1 PC/104 for 16-bit ISA Bus



▲ Top view ▲ Rear view

System

CPU	AMD G-Series APU T16R 615 MHz single core/ T40E 1.0 GHz dual core onboard
System Memory	1 x 204-pin SO-DIMM supports DDR3-1066 max. up to 4 GB
Chipset	AMD A55E
BIOS	AMI UEFI BIOS
SSD	1 x CFast™
Watchdog Timer	255 levels, 1~255 sec.
Expansion Interface	1 x PCI Express Mini Card 1 x PC/104 for 16-bit ISA bus
Battery	Lithium 3V/220mAH
Power Input	2 x 5-pin connector ATX standard power source DC+5V only (+12V is required for +12V powered COM and LVDS inverter) AT Auto Power ON function supported
Power Requirement	AMD G-Series APU T40E @ 1.0 GHz, 1 GB DDR3 Max. RMS: +5VSB @ 4mA, +5V @ 3.92A, +12V @ 40mA
Size	146 x 104 mm
Board Thickness	1.6 mm
Operating Temperature	-40°C ~ +70°C (-40°F ~ 158°F), operation
Operation Humidity	10% ~ 95% relative humidity, non-condensing

I/O

MIO	1 x RS-232/422/485 (COM 1); with +5V/+12V powered 3 x RS-232 (COM 2/3/4); with +5V/+12V powered 1 x PS/2 keyboard and mouse 1 x LPT; with SPP/EPP/ECP supported
SATA	1 x SATA-600
Hardware Monitoring	Detect CPU/system temperature and voltage
Ethernet	2 port 10/100/1000 Mbps supports Wake-on-LAN, RPL/PXE Boot ROM with Realtek RTL8111E
Audio	HD Codec audio as MIC-in/Line-in/Line-out with Realtek ALC662
USB	6 x USB 2.0
SMBus	System Management Bus for advanced monitoring/control
Digital I/O	8 channels IN/OUT programmed

Display

Chipset	AMD G-Series APU integrated graphic engine – Radeon™ HD6250
Memory Size	Max. up to 2 GB in 4 GB DDR3 module
Display Interface	1 x VGA 1 x LVDS; 18/24-bit single/dual channel

Packing List

Standard

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

Cable

Part Number	Description	Qty
59382620000E	1 x COM w/bracket P=2.0 mm, L=300 mm	1
59384500100E	Audio cable w/bracket P=2.0 mm, L=450 mm	1
59382631000E	2 x USB 2.0 wafer cable w/bracket	1
59402010000E	ATX power cable 10P, L=150 mm	1

Ordering Information

Standard	
CAPA112VGGA-T16R (P/N: E38E112101)	3.5" embedded SBC with AMD G-Series APU T16R 615 MHz and FCH A55E, VGA/LVDS, 2 GbE LAN and audio
CAPA112VGGA-T40E (P/N:E38E112100)	3.5" embedded SBC with AMD G-Series APU T40E 1.0 GHz and FCH A55E, VGA/LVDS, 2 GbE LAN and audio

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