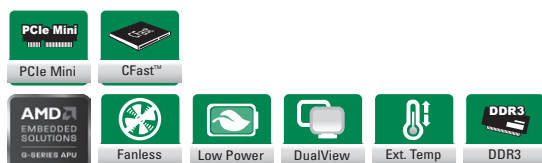


# CAPA112

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

## Features

- AMD G-Series APU T16R (615 MHz)/T40E (1.0 GHz)
- AMD A55E FCH
- 1 DDR3-1066 SO-DIMM, up to 4GB
- 6 USB 2.0 ports
- 4 COM ports
- 1 PC/104 for 16-bit ISA Bus

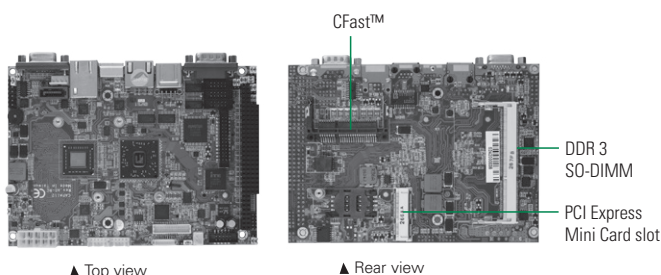
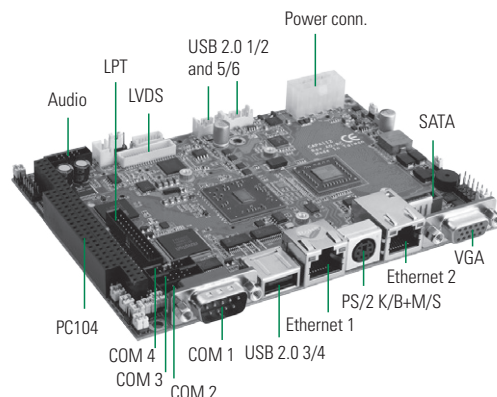


## Core System

CPU	AMD G-Series APU T16R 615 MHz single core/ T40E 1.0 GHz dual core onboard
System Memory	1 x 204-pin DDR3-1066 SO-DIMM, up to 4GB
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 slot 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, 1GB 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 ~ 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



▲ Top view

▲ Rear view

## Display

Chipset	AMD G-Series APU integrated graphic engine – Radeon™ HD6250
Memory Size	Max. up to 2GB in 4GB 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

CAPA112VGA-T16R (P/N: E38E112101)	3.5" Embedded SBC with AMD G-Series APU T16R 615 MHz and FCH A55E, VGA/LVDS, 2 GbE LANs and audio
CAPA112VGA-T40E (P/N: E38E112100)	3.5" Embedded SBC with AMD G-Series APU T40E 1.0 GHz and FCH A55E, VGA/LVDS, 2 GbE LANs and audio

Embedded SBCs >3.5" Capa

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