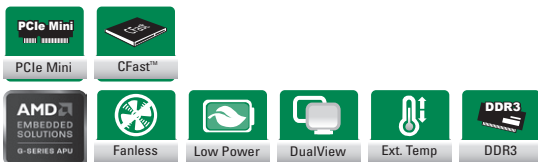


CAPA112

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

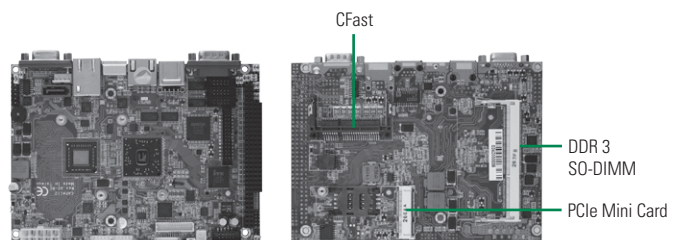
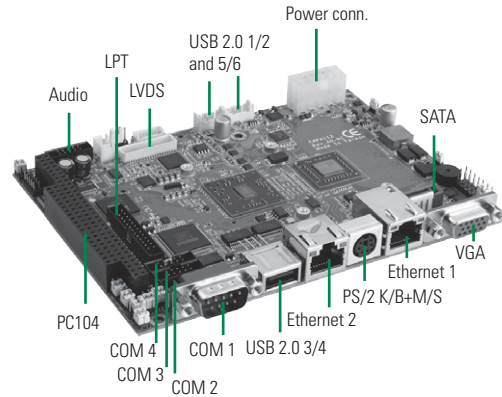


Core System

| | |
|-----------------------|---|
| 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 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 |