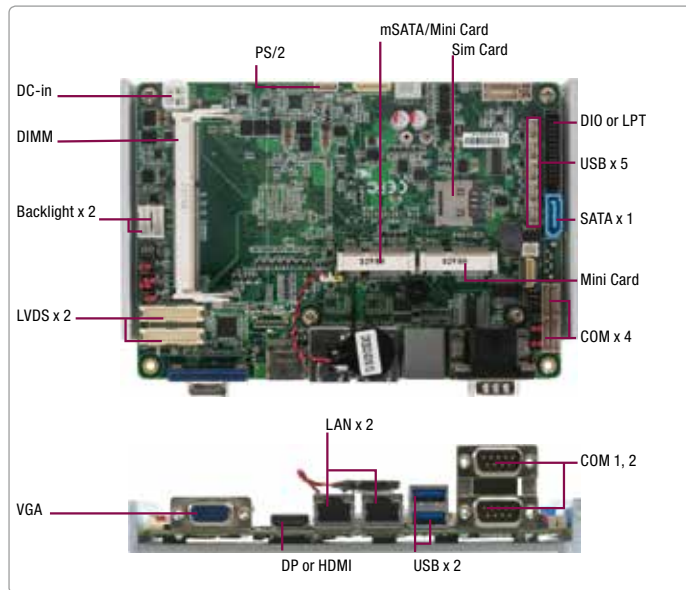


EPIC-KB07

EPIC Board with Onboard AMD Embedded G-Series Dual/Quad SOC



Features

- AMD Embedded G-Series Quad/Dual Core SOC
- DDR3/DDR3L 1600MHz SODIMM, Up to 8GB
- Gigabit Ethernet, RJ-45 x 2
- CRT, 18/24-bit LVDS, DP
- SATA 6.0Gb/s x 1
- USB 3.0 x 2, USB 2.0 x 5
- RS-232 x 5, RS-232/422/485 x 1
- Mini-Card x 1, mSATA x 1, SIM
- AMD Embedded G-Series Quad/Dual Core SOC APU On Solder Side
- Supports Windows® XP, Windows® 7, Windows® 8, Linux

Specifications

System	
Form Factor	EPIC
Processor	AMD Embedded G-series Dual/Quad core SOC (BGA base, ≤25W), GX-420CA/GX-217GA
System Memory	204-pin DDR3 1600MHz SODIMM , up to 8 GB
Chipset	AMD Embedded G-series Dual/Quad core SOC
I/O Chipset	Fintek 81866D
Ethernet	Gigabit Ethernet, RJ-45 x 2
BIOS	AMI/UEFI
Wake On LAN	Yes
Watchdog Timer	1-255 steps by software program
H/W Status Monitoring	system temperature, voltage, and cooling fan status monitoring
Expansion Interface	Mini Card x 1, mSATA x 1, SIM Card Slot
Battery	Lithium battery
Power Requirement	+12V AT/ATX(default)
Power Consumption (Typical)	—
System Cooling	Fanless
Board Size	4.5" x 6.5" (115mm x 165mm)
Gross Weight	—
Operation Temperature	32°F ~ 140°F (0°C ~ 60°C)
Storage Temperature	-4 °F ~ 158 °F (-20 °C ~ 70 °C)
Operation Humidity	10% ~ 80% relative humidity, non-condensing
MTBF	—
Display	
	Supports CRT/DP/LVDS simultaneous/ dual view display
Chipset	AMD Embedded G-series Dual/Quad core SOC APU
Memory	Shared system memory up to 384MB
Resolutions	2048 x 1536 @ 75 Hz for CRT 1920 x 1200 @85Hz (Pixel clock 25-112 MHz) for LCD Display 1/2 up to 1920 x 1200p @ 60 Hz
LCD Interface	VGA x 1, DisplayPort x 1, 18/24-bit LVDS
I/O	
Storage	SATA 6.0Gb/s x 1, mSATA x 1
Serial Port	RS-232/422/485 x 1 (COM 2) RS-232 x 1 (COM1 on rear side) RS-232 x 4 with box header
Parallel Port	LPT port Co-lay with 16-bit DIO
USB	USB 3.0 x 2, USB 2.0 x 5 USB 1/2 total support 1.5A on rear I/O
PS/2 Port	Keyboard x 1, Mouse x 1
Digital I/O	16-bit Digital I/O (Programmable, 8-in/8-out)
Audio	Line-in/Line-out/Mic-in
Touch Screen	Supports 4/5-wire resistive touch screen (optional)
Audio	Line-In, Line-Out & MIC-In



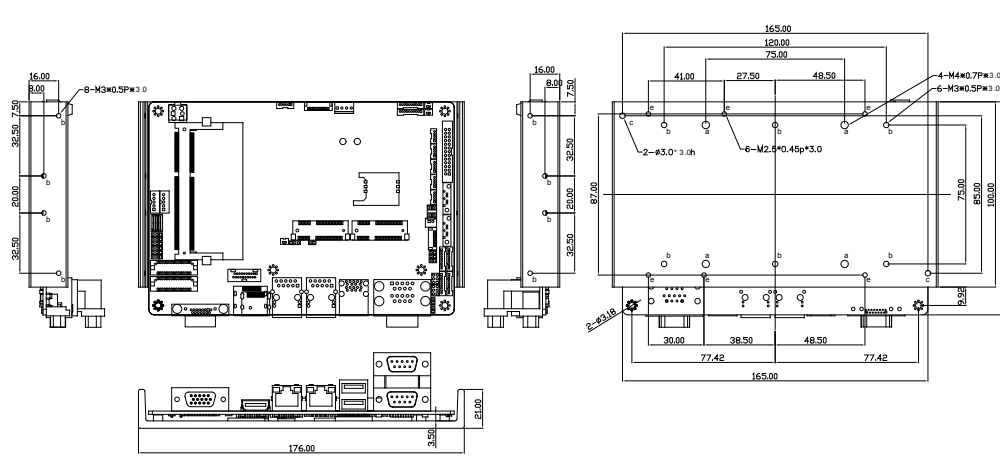
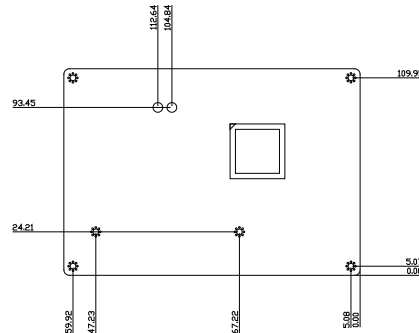
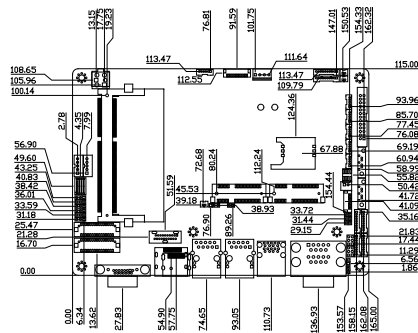
Packing List

- Cable Kit
- SATA Cable
- SATA Power Cable
- Jumper Cap
- Product CD
- EPIC-KB07

EPIC-KB07

Dimension

Unit: mm



Ordering Information

Part Number	CPU	Fan/Fanless	Display	LVDS	Storage	LAN	USB	RS-232	RS-232/422/485	Expansion Slot	Power	Temp
EPIC-KB07-A10-01	GX-217GA	Heat Spreader	CRT + LVDS1; CRT + DP	LVDS 1:18b	SATA x 1, mSATA x 1	2	2 + 5	2	1	Mini-Card x 1, mSATA x 1	+12V AT/ATX	0°C ~ 60°C
EPIC-KB07-A10	GX-420CA	Heat Spreader	CRT + LVDS1/2; CRT + DP LVDS 1/2 + DP	LVDS 1: 18b or LVDS 2: 24b	SATA x 1, mSATA x 1	2	2 + 5	5	1	Mini-Card x 1, mSATA x 1	+12V AT/ATX	0°C ~ 60°C

Note:

1. Dual DP by request and the second DP is vertical type
2. HDMI x 1 by request and trade off with DP