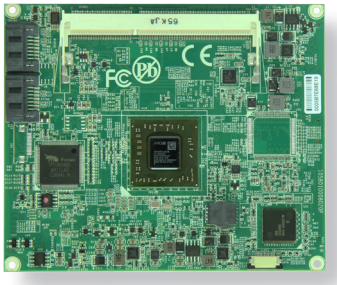
EmETX-a58M1

ETX

AMD G-series Processor G-Series ETX CPU Module



Features

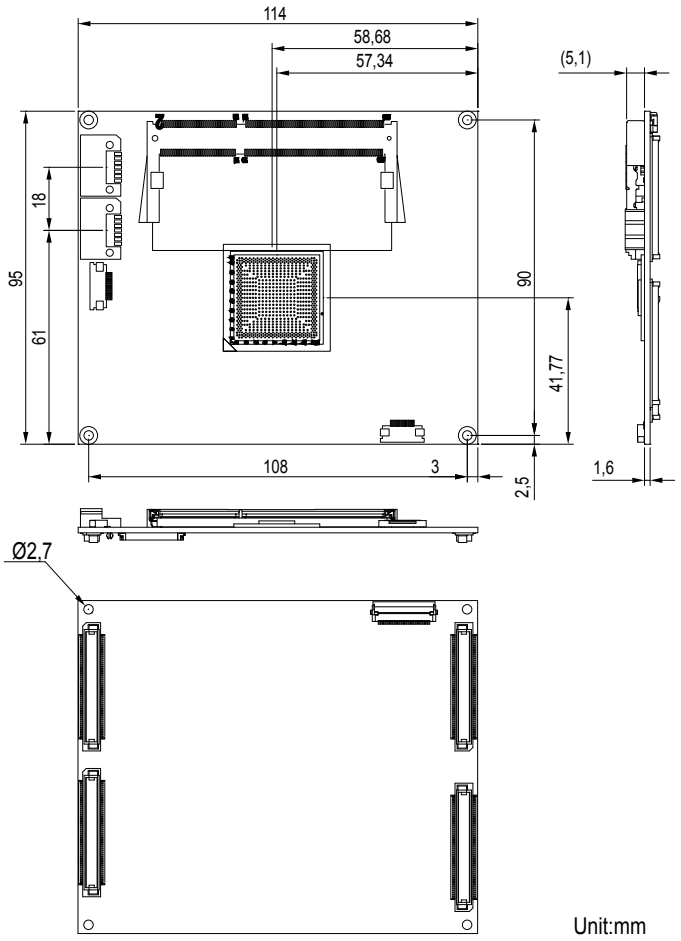
- Soldered onboard AMD G-series Processor GX-212JC/218GL
- Dual Channels 24-bit LVDS, Analog RGB and DDI Port
- **Extended Operating Temp.: 0 ~ 60°C**

Computer on Module

System	
CPU	Soldered onboard AMD G-Series Processor GX-212JC/GX-218GL
System Memory	1 x DDR3 SO-DIMM socket, supporting up to 8GB 1333MT/s SDRAM
BIOS	AMI BIOS
Watchdog Timer	1~255 levels reset
I/O	
Super IO Chipset	Fintek F71869ED
Serial Port	1 x RS-232
	1 x RS-232/422/485 (by Carrier Board)
Parallel Port	SPP/EPP/ECP mode selectable
KB/MS	PS/2 interface for keyboard and mouse
USB 2.0	4 x USB 2.0 ports
Expansion	4 x PCI (OEM request)
Storage	2 x Serial ATA ports with 600MB/s HDD transfer rate
	Two PATA ports via JMB368 PCIex1 to PATA controllers
Ethernet Chipset	1 x Realtek RTL8105E PCIe 10/100Base-T Ethernet controller
Audio	Realtek ALC662 HD Audio CODEC, Mic-in/ Line-in/ Line-out
Display	
Graphic Chipset	Integrated in AMD Radeon™ HD 8000E Graphics
Graphic Interface	Analog RGB/DVI: Analog RGB
	LCD: Dual Channels 24-bit LVDS
	DDI port: 1 x DDI port
OS Support	
Windows 7 Windows 10 Linux	

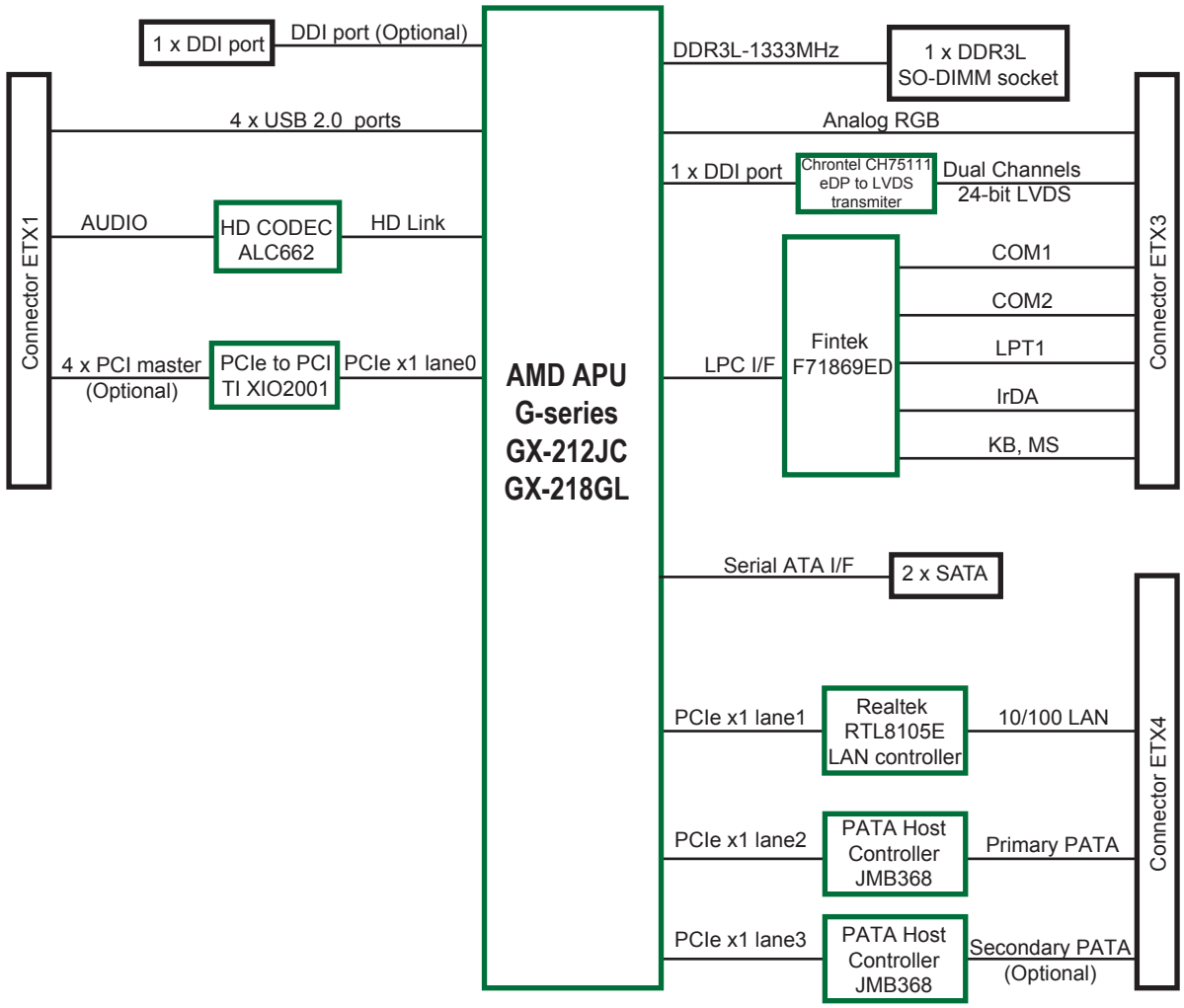
Mechanical & Environmental	
Power Requirement	DC 5V, 5VSB
Power Consumption	2.66A@5V(GX-212JC typical)
Operating Temp.	0 ~ 60ºC (0 ~ 140ºF)
Operating Humidity	0 ~ 95% @ 60ºC (non-condensing)
Dimensions (L x W)	114 x 95 mm (4.5” x 3.7”)

Dimensions



Unit:mm

Block Diagram



Ordering Information	
EmETX-a58M1-212JC	AMD GX-212JC ETX 3.02 CPU module
EmETX-a58M1-218GL	AMD GX-218GL ETX 3.02 CPU module
Optional Accessories	
HS-58M1-F2	Heat Spreader; Threaded standoffs,114*95*9mm,W/PAD
HS-58M1-C1	Heat Spreader; 114*95*28mm,W/FAN
PBE-1000 R2.1	ETX evaluation carrier board in ATX form factor
CBK-05-100-00	Cable kit 1 x FDD cable 3 x COM port cables 1 x USB cable 2 x IDE cables 1 x TV-out cable