

# BP-FT3b-LC2

## Embedded 4x4 Platform

### Low Cost, Small Form Factor, High Performance, Low Power

The Sapphire BP-FT3b-LC2 is a 4"x4" form factor board based on the "Steppe Eagle" 2nd Generation AMD Embedded G-Series SoC processor for embedded markets. AMD tightly integrates up to four x86 "Excavator" CPU cores with a high performance 2nd generation Graphics Core Next GPU to deliver an exceptional visual experience supporting 1080P H.264 video and two HDMI displays. This is an ideal platform for small form factor, display centric applications like digital signage, kiosks, thin clients and gaming.

The Sapphire BP-FT3b-LC2 board offers robust I/O capability including a DDR3 SODIMM, m.2 M Key slot for SSD card, m.2 E Key slot for Wifi/BT card, RS232, two HDMI 1.4a ports, Gigabit Ethernet, HD Audio, four USB ports, with 19VDC power. Sapphire again proves the ability to offer cost effective, small form factor, low power, embedded solutions.



#### AMD Steppe Eagle G-Series SoC

- ◆ 1st, 2nd Gen GX and LX family SoC
- ◆ Dual Core and Quad Core variant
- ◆ 28nm process technology
- ◆ R1E / R5E Integrated GPU
- ◆ Up to DDR3-1600-1.5V (voltage levels) Supported
- ◆ One DDR3 SO-DIMM
- ◆ Non ECC support

#### Sapphire BP-FT3b-LC2 Platform Features

- ◆ Dual HDMI outputs
- ◆ One Gigabit Ethernet port
- ◆ RS-232 pin header
- ◆ ALC262 HD 2.1 channels
- ◆ Two USB 2.0 ports
- ◆ Two USB 3.0 ports
- ◆ 12 - 19V DC power input

#### Expansion Slots

- ◆ M.2 2280 M Key slot (PCIe x 4 or SATA III)
- ◆ M.2 2230 E Key slot (PCIe x 1)



Model		BP-FT3b-LC2
Features		FT3/FT3b APU with DX11.1, OpenCL 1.2, Open GL 4.2, UVD4.2, DCE8.3, VCE 2.0 & SAMU 2.1 AMD IOIC Ver2.0 HDMI x 2, Audio jack M.2 2230 E-Key for Wifi module M.2 2280 M-Key for SSD COM port header Active / Passive coolers supported
General	CPU Socket	AMD Embedded G-series FT3/FT3b package, SoC
	System Memory	1x DDR3 SO-DIMM, Max. 16GB (Non-ECC)
	System Chipset	N/A
	I/O Chipset	Fintek F71808A
Expansion Slots		M.2 2280 M Key slot(PCIe x 4 or SATA III) M.2 2230 E Key slot(PCIe x 1)
Mechanical and Environment	Dimensions	100mm x 100mm x 49mm (L x W x H) (With active cooler)
		100mm x 100mm x 43.5mm (L x W x H) (With passive heatpipe) 100mm x 100mm x 26.5mm (L x W x H) (Board only)

