Low Cost Steppe Eagle Evaluation platform (DB-FT3b-LC)

The AMD DB-FT3b-LC is a reference board that is specifically designed for low cost applications like a single output media player, kiosk or small form factor PC. This board can be used as a low cost software development platform for the second-generation AMD Embedded G-Series SoC APU (Accelerated Processing Unit). The available I/O is a subset of the full capabilities of the new SoC but provide the basic functionality in a very small 100mm x 100mm motherboard. This board demonstrates the high performance and scalability of the new AMD embedded SoC in a small form factor.

G-Series 2nd Generation (Steppe Eagle) Reference System

- AMD Embedded FT3b APU with AMD Radeon™ 8000 Graphics
- 2GB DDR3-1600 Memory
- 16GB SDHC card
- Powered by 24W 12V DC brick, 12V-24V input voltage supported

AMD RADEON Graphics

- Supports Ultra-High resolutions
- 1x HDMI Output

Expansion Slots

- 1x Mini-PCIe® /mSATA combo Slot
- 1x microSD card Slots

Features

<table>
<thead>
<tr>
<th>Features</th>
<th>Up to 4 &quot;Jaguar&quot; cores with 2MB shared L2 cache</th>
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<tbody>
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<td></td>
<td>Single-channel DDR3 supported</td>
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<td>Dedicated, TrustZone® compatible security subsystem</td>
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Processor

- AMD Embedded G-Series APU, FT3b BGA infrastructure, up to 9W
- Support for: AMD Embedded GX-412HC APU with AMD Radeon™ 8000 graphics

System Memory

- 2GB non-ECC DDR3 on board, up to DDR3-1600

I/O Controller

- N/A

Storage

- 1x 16 GB SDHC card (micro SD)

Peripheral Components

- Realtek RTL8111EP Gigabit Ethernet Controller
- Realtek ALC272-GR HD Audio Codec
- On-board Microcontroller (for DASH support)

Back Panel

- 1x HDMI Port Output
- 2x USB 2.0 and 2x USB 3.0 Ports
- 1x RJ45 LAN stack with 2x USB 2.0 ports
- 1x Cellphone-style connector
- 1x microSD Card Slot
- 1x DC Jack

Internal I/O Connectors

- 1x 4-pin SATA Power (+5V only)
- 1x SATA Ports (up to 6Gbps)
- 1x Mini PCIe Slot
- 1x Reset and 2x Power switch
- 1x USB 2.0 Headers (1*5pins)
- 1x LPC Headers, Option for Trusted Platform Module (TPM) management

Miscellaneous

- AMD Embedded Probe Header (JTAG)
- SPI Boot ROM, CMOS battery backup
- 1x SoC and 1x system fan connectors

Power Supply

- 24W 12V DC brick, 12V-24V input voltage supported

Board Formfactor

- 100mm x 100mm