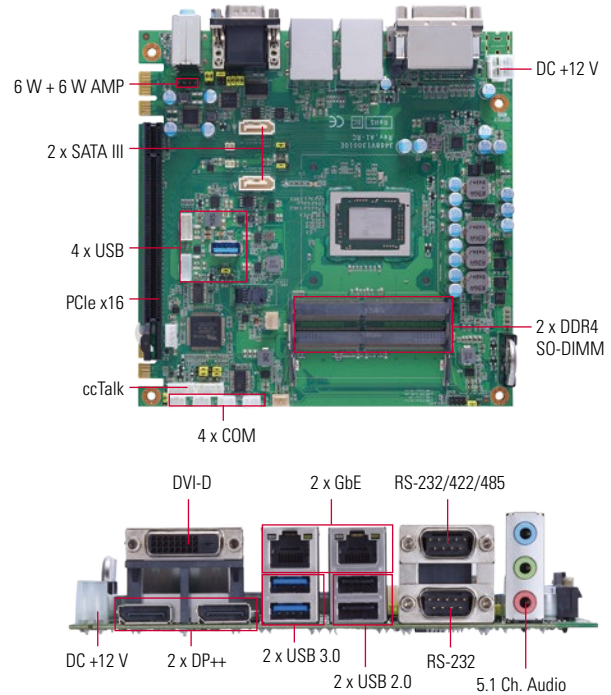


# GMB130

AMD Embedded R-Series SoC  
Mini-ITX Board

## Features

- High performance AMD platform
- GLI verified TrustedBoot
- Extension PCIe I/F for gaming I/O
- Optional support 9-bit serial port for SAS 6.02
- Lifetime long-term supply



## System

|                       |   |
|-----------------------|---|
| CPU                   | AMD Embedded R-Series SoC, formerly codenamed "Merlin Falcon"                 |
| Memory                | 2 x DDR4 SO-DIMM up to 2400 MHz, max. up to 32 GB                             |
| BIOS                  | AMI -uEFI<br>TrustedBoot, secure hash and public key algorithm validation     |
| Watchdog Timer        | 1 sec to 255 min  |
| Expansion             | PCIe x16 slot (x8 Gen3 signal)  |
| Power Input           | DC +12 V  |
| Dimensions            | 170 mm x 170 mm   |
| Operating Temperature | 0 °C to 60 °C (32 °F to 140 °F)   |
| Humidity              | 10 % to 90 %, non-condensing  |
| Security              | Anti-clone security<br>- TPM engine<br>- RSA2048 and AES256 hybrid encryption |

## I/O

|                  |   |
|------------------|---|
| USB              | 3 x USB 3.0<br>5 x USB 2.0  |
| Serial Interface | 2 x RS-232 DB9 (1 x RS-422/485 configurable)<br>4 x RS-232 (1 x ID003, 2 x ccTalk configurable) |
| Audio            | HD audio 5.1 channels Line-out or stereo 6 W + 6 W audio amplified output                       |
| Storage          | 2 x SATA III, SATADOM supported   |
| Ethernet         | 2 x GbE LAN port  |



## Display

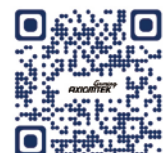
|           |   |
|-----------|---|
| Graphic   | AMD Radeon™ HD10000 Series<br>DirectX® 12, OpenGL® 4.2, and OpenCL™ 1.2 |
| Interface | 2 x DP++<br>1 x DVI-D   |

## Software

|        |   |
|--------|---|
| OS     | Windows® 7, 10<br>Linux kernel 3.X and above version      |
| Others | SAS 6.02 COM port driver provided (via gaming I/O module) |

## Ordering Information

|            |  |
|------------|--|
| GMB130-421 | AMD Embedded R-Series SoC Mini-ITX board with RX-421 quad-core APU, 2 x DP++, DVI-D, 8 x USB |
|------------|--|



\* All specifications and photos are subject to change without notice.