Ordenador integrado > Placas SBC > Placa CPU Embedded

## HYPER-KBN



Pico-ITX SBC Supports AMD® Embedded G-Series SoC

## Features

» Pico-ITX form fator with AMD® Embedded G-Series SoC supports DDR3/DDR3L up to 1600 MHz memory
» 12 V only single voltage design for AT/ATX power by DC power jack
" DVI-I and 18-bit singel-channel LVDS support for dual display
» IEI One Key Recovery solution allows you to create rapid OS backup and recovery

## Specifications

| Display |  |
| :---: | :---: |
| Display | DVI-I (DVI-D up to 1920x1200@60Hz, VGA up to 2048x1536@60Hz) |
|  | 18-bit single-channel LVDS (up to 1600x900@60Hz) |
| Environment |  |
| Humidity | 5\% ~ 95\%, non-condensing |
| Operating Temperature | $0^{\circ} \mathrm{C} \sim 60^{\circ} \mathrm{C}$ |
| I/O Interface |  |
| Audio | Realtek AL662 HD Audio codec |
|  | $1 \times$ Analog audio ( $2 \times 5$ pin) |
| Ethernet | LAN: Realtek RTL8111E controllers with ASF2.0 supported |
| I/O Interface |  |
| I/O Interface | $2 \times$ USB 3.0 |
|  | $1 \times$ Internal RS-232 |
|  | $2 \times$ Internal USB 2.0 |
| Power |  |
| Power consumption | +12V@1.45A (AMD GX-415GA 1.5GHz CPU with one 2GB 1333 MHz DDR3 memory) |
| System |  |
| CPU | GX-415GA on-board SoC (1.5GHz, quad-core, 2MB cache, TDP=15W) |
|  | GX-210HA on-board SoC (1.0GHz, dual-core, 1MB cache, TDP=9W) (support fanless solution) |
|  | GX-420CA on-board SoC (2.0GHz, quad-core, 2MB cache, TDP=25W) |
|  | GX-217GA on-board SoC (1.65GHz, dual-core, 1MB cache, TDP=15W) |
| CPU Socket | On Board |
| Memory Max. | One 204-pin 1600/1333 MHz dual-channel DDR3 \& DDR3L SDRAM unbuffered DIMM |
|  | supports up to 8GB |
| Storage | $1 \times$ SATA 6Gb/s with 5V SATA power connector |
| Watchdog Timer |  |
| Watchdog Timer | Software programmable, support 1~255 sec. system reset |

## Ordering Information

| HYPER-KBN-4151-R10 | PICO-ITX SBC with AMD G-Series GX-415GA SoC processor,DDR3 DVI-I/LVDS,GbE,USB 3.0,SATA <br> 6Gb/s,HD Audio and RoHS |
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| HYPER-KBN-2101-R10 | PICO-ITX SBC with AMD G-Series GX-210HA SoC processor,DDR3 DVI-I/LVDS, GbE, USB 3.0,SATA <br> 6Gb/s,HD Audio and RoHS |

## Packing List

| $1 \times$ HYPER-KBN single board computer | $1 \times$ Audio cable |
| :--- | :--- |
| $1 \times$ RS-232 cable | $1 \times$ SATA with 5V output cable kit |
| $1 \times$ Special heatsink | $1 \times$ QIG |

