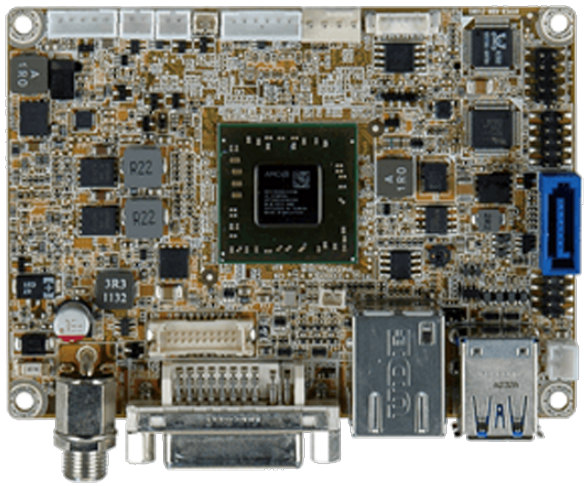
HYPER-KBN

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

» 12V 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°C ~ 60°C
I/O Interface	
Audio	Realtek AL662 HD Audio codec
	1 x Analog audio (2x5 pin)
Ethernet	LAN: Realtek RTL8111E controllers with ASF2.0 supported
I/O Interface	
I/O Interface	2 x USB 3.0
	1 x Internal RS-232
	2 x 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 x 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 6Gb/s,HD Audio and RoHS
HYPER-KBN-2101-R10	PICO-ITX SBC with AMD G-Series GX-210HA SoC processor,DDR3 DVI-I/LVDS,GbE, USB 3.0,SATA 6Gb/s,HD Audio and RoHS

Packing List

1 x HYPER-KBN single board computer	1 x Audio cable
1 x RS-232 cable	1 x SATA with 5V output cable kit
1 x Special heatsink	1 x QIG