

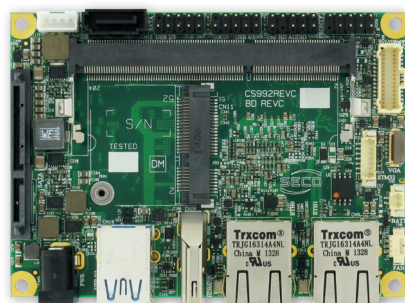
Single Board Computer



SBC-992-pITX

Pico-ITX SBC with AMD Embedded G-Series SoC

RADEON GPU and Multi-core processing



HIGHLIGHTS



CPU
AMD Embedded G-Series SOC Dual/Quad Core x86 CPU



CONNECTIVITY
2x GbE; Half miniPCI-e slot



GRAPHICS
Embedded AMD HD RADEON GPUs - HD8000 series



MEMORY
Up to 8GB on DDR3 1600MHz SO-DIMM @1.5V



Windows 8 Windows 8.1



DEVELOPMENT SAMPLING PRODUCTION

MAIN FIELDS OF APPLICATION



Digital Signage -
Infotainment



Gaming



Point of Sales



Thin Clients

FEATURES

Processor	AMD GX-420CA , Quad Core @ 2.0GHz, 2MB L2 Cache, TDP 25W AMD GX-415GA , Quad Core @ 1.5GHz, 2MB L2 Cache, TDP 15W AMD GX-217GA , Dual Core @ 1.65GHz, 1MB L2 Cache, TDP 15W AMD GX-210HA , Dual Core @ 1.0GHz, 1MB L2 Cache, TDP 9W AMD GX-210JA , Dual Core @ 1.0GHz, 1MB L2 Cache, TDP 6W	Other Interfaces	miniSIM slot (combo connector) FAN connector Front Header Expansion connector
Max Cores	4	Power Supply	12V _{DC} ± 10% RTC Battery with lead cable and connector
Memory	Up to 8GB on DDR3 1600MHz SO-DIMM @1.5V (DDR3-1333MHz with GX-210HA, DDR3-1066MHz with GX-210JA)	Operating System	Microsoft® Windows 7 (32/64 bit) Microsoft® Windows 8 (32/64 bit) Microsoft® Windows 8.1 (32/64 bit) Microsoft® Windows Embedded Standard 7 (32/64 bit) Linux (32/64 bit)
Graphics	Embedded AMD HD RADEON GPUs HD8400E @ 600MHz (GX-420CA), HD8330E @ 500MHz (GX-415GA) HD8280E @ 450MHz (GX-217GA), HD8210E @ 300MHz (GX-210HA) HD8180 @ 225MHz (GX-210JA), Dual independent display support Supports DirectX® 11.1, OpenGL rel. 4.2 and OpenCL™ rel. 1.2	Operating Temperature*	0°C ÷ +60°C
Video Interfaces	HDMI connector Single Channel 18bit LVDS connector or embedded Display Port connector CRT interface (requires external Video Adapter)	Dimensions	72 x 100 mm (2.83" x 3.94")
Video Resolution	HDMI, resolution up to 1920 x 1200 LVDS, resolution up to 1600 x 900 (up to 1920 x 1200 through external adapter) eDP, resolution up to 2560 x 1600 CRT, resolution up to 2048 x 1536	*Measured at any point of SECO standard heatspreader for this product, during any and all times (including start-up). Actual temperature will widely depend on application, enclosure and/or environment. Upon customer to consider application-specific cooling solutions for the final system to keep the heatspreader temperature in the range indicated.	
Mass Storage	2 x standard SATA connectors microSD Card slot (combo connector)		
Networking	Up to 2 x Gigabit Ethernet connector		
USB	2 x standard USB 3.0 Type A 4 x internal USB 2.0 ports USB 2.0 interface on miniPCI-e Slot		
Audio	HD Audio Codec Realtek ALC886 Mic In, Line out internal pin header connector		
PCI-e	Half miniPCI-e slot		

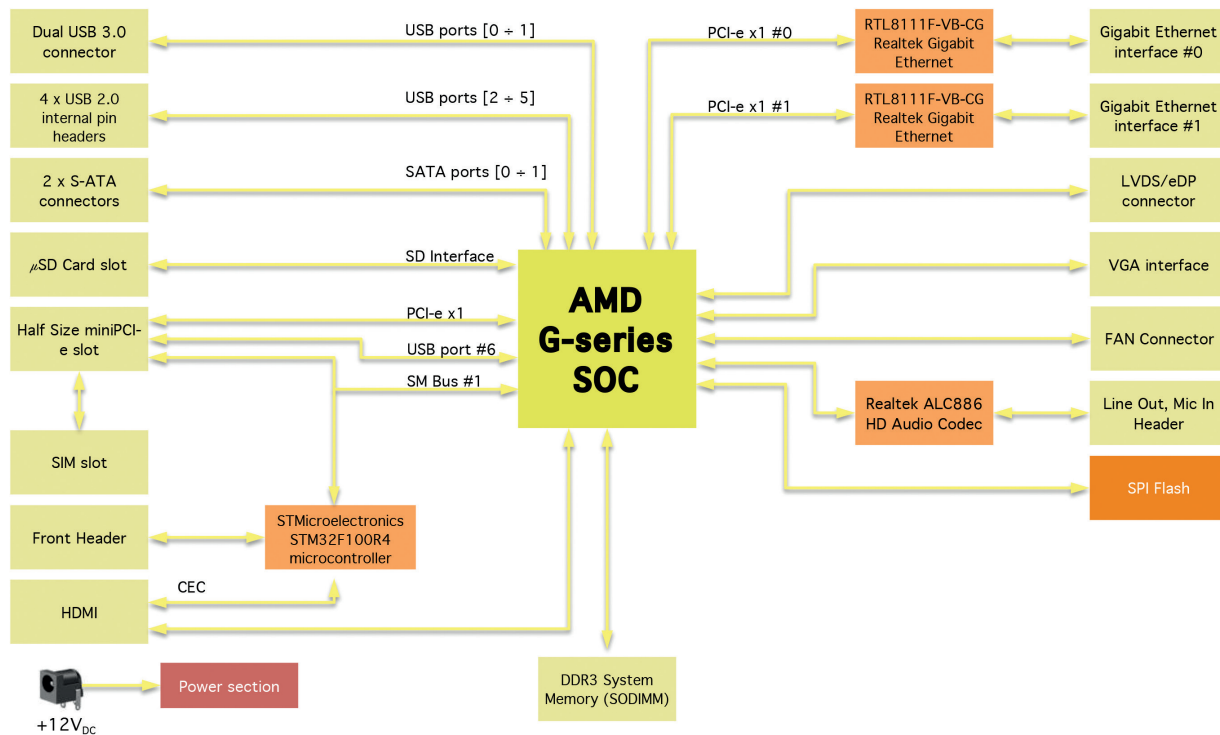


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SBC-992-pITX

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BLOCK DIAGRAM



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