

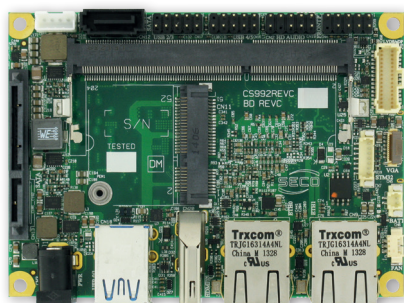
# Single Board Computer



## SBC-992-pITX

Pico-ITX SBC with AMD Embedded G-Series SoC

### RADEON GPU and Multi-core processing



#### HIGHLIGHTS

<b>CPU</b> AMD Embedded G-Series SOC Dual/Quad Core x86 CPU	<b>CONNECTIVITY</b> 2x GbE; Half miniPCI-e slot
<b>GRAPHICS</b> Embedded AMD HD RADEON GPUs - HD8000 series	<b>MEMORY</b> 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

<b>Processor</b>	AMD <b>GX-420CA</b> , Quad Core @ 2.0GHz, 2MB L2 Cache, TDP 25W AMD <b>GX-415GA</b> , Quad Core @ 1.5GHz, 2MB L2 Cache, TDP 15W AMD <b>GX-217GA</b> , Dual Core @ 1.65GHz, 1MB L2 Cache, TDP 15W AMD <b>GX-210HA</b> , Dual Core @ 1.0GHz, 1MB L2 Cache, TDP 9W AMD <b>GX-210JA</b> , Dual Core @ 1.0GHz, 1MB L2 Cache, TDP 6W	<b>Other Interfaces</b>	miniSIM slot (combo connector) FAN connector Front Header Expansion connector
<b>Max Cores</b>	4	<b>Power Supply</b>	12V <sub>DC</sub> ± 10% RTC Battery with lead cable and connector
<b>Memory</b>	Up to 8GB on DDR3 1600MHz SO-DIMM @1.5V (DDR3-1333MHz with GX-210HA, DDR3-1066MHz with GX-210JA)	<b>Operating System</b>	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)
<b>Graphics</b>	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	<b>Operating Temperature*</b>	0°C ÷ +60°C
<b>Video Interfaces</b>	HDMI connector Single Channel 18bit LVDS connector <b>or</b> embedded Display Port connector CRT interface (requires external Video Adapter)	<b>Dimensions</b>	72 x 100 mm (2.83" x 3.94")
<b>Video Resolution</b>	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.	
<b>Mass Storage</b>	2 x standard SATA connectors microSD Card slot (combo connector)		
<b>Networking</b>	Up to 2 x Gigabit Ethernet connector		
<b>USB</b>	2 x standard USB 3.0 Type A 4 x internal USB 2.0 ports USB 2.0 interface on miniPCI-e Slot		
<b>Audio</b>	HD Audio Codec Realtek ALC886 Mic In, Line out internal pin header connector		
<b>PCI-e</b>	Half miniPCI-e slot		



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# SBC-992-pITX

Pico-ITX SBC with AMD Embedded G-Series SoC

## BLOCK DIAGRAM

