



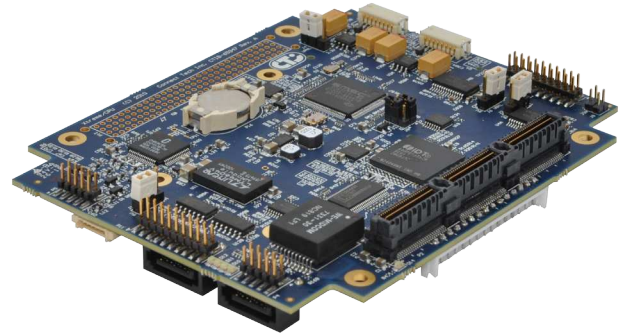
## Xtreme/SBC PCIe/104 Single Board Computer

**Product Name:** Xtreme/SBC  
**Part Number:** QCG001

Connect Tech's Xtreme/SBC is a small single board computer that utilizes the PCIe/104 form factor with 4 x1 PCIe lanes. Xtreme/SBC offers a variety of embedded processor solutions including **Intel Atom**, **Freescale i.MX51**, **TI OMAP** and **NVIDIA Tegra**.

Xtreme/SBC allows instant access to a full range of PCIe/104 peripherals from a rapidly growing eco-system including FPGA solutions, multi-port serial, frame grabbers and more. This single board computer solution is modular and completely scalable, with access to the most current embedded processors that are easily upgradable to accommodate future generations of **Intel Atom** processors, such as **Tunnel Creek**, or **ARM** based processors, such as **Cortex A8**.

Xtreme/SBC conveniently provides on-board connectors allowing for instant access to a variety of features including SATA, Ethernet, USB, LVDS and VGA Video, RS-232 and RS-422/485.



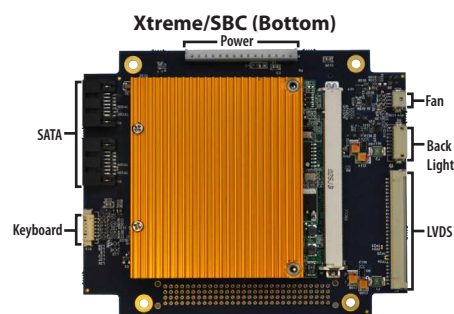
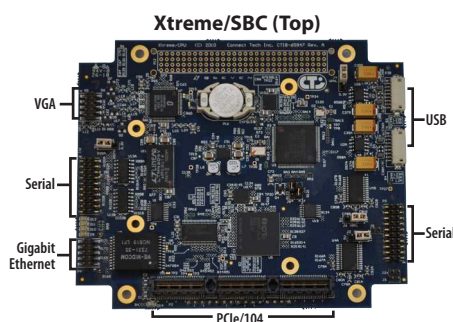
### FEATURES

- ✓ PCIe/104 form factor, 4x1 PCIe lanes
- ✓ On-board connectors for instant access to SATA, Ethernet, USB, LVDS & VGA Video, RS-232 & RS-422/485
- ✓ Intel & ARM based processors: Atom Z500, Atom Tunnel Creek, Freescale i.MX51, TI OMAP & NVIDIA Tegra

	INTEL PROCESSOR			ARM PROCESSOR	
	Atom Z500	Atom Tunnel Creek	Freescale i.MX51	TI OMAP	NVIDIA Tegra
<b>Form Factor</b>	PCIe/104				
<b>Speed</b>	1.1 to 1.6 GHz	600 MHz to 1.6 GHz	Up to 800 MHz	Up to 600 MHz	Up to 1.0 GHz
<b>PCIe Lanes</b>	4x PCIe x1	4x PCIe x1	-	-	4x PCIe x1
<b>Memory</b>	1 GB	Up to 2 GB	256-512 MB	128 MB – 256 MB	Up to 1GB
<b>On-Board Flash Disk</b>	Up to 4GB	Up to 32GB	Up to 4GB	256-512MB	Up to 16GB
<b>Graphics</b>	Intel GMA 500	Intel GMA 500	OpenGL/OpenVG	POWERVR SGX	NVIDIA ULP
<b>Display Interface</b>	VGA, LVDS	VGA, LVDS	LVDS, DVI	LVDS	LVDS
<b>External Storage</b>	1x SATA	2x SATA	N/A	N/A	N/A
<b>USB</b>	4x USB 2.0	4x USB 2.0	2x USB 2.0, 1x USB OTG	2x USB 2.0, 1x USB, OTG	4x USB 2.0
<b>Ethernet</b>	10/100/1000	10/100/1000	10/100	10/100	10/100
<b>Other</b>	-	-	Micro SD, Video Input	Video Input	-
<b>Temperature</b>	-20°C - 70°C/-4°F - 158°F	-20°C - 70°C/-4°F - 158°F	0°C - 60°C/32°F - 140°F	-20°C - 70°C/-4°F - 158°F	0°C - 60°C/32°F - 140°F
<b>Serial Interface</b>	<b>2x RS-232, 2x RS-485, PS/2 keyboard and mouse</b>				
<b>Dimensions</b>	<b>PC/104 Compliant</b>				
<b>Power</b>	<b>ATX Supply Input</b>				
<b>Accessories</b>	<b>Optional Cable Kit</b>				
<b>Warranty &amp; Support</b>	<b>Lifetime Warranty and Free Technical Support</b>				

## RoHS

Specifications subject to change without notice.  
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