



**Product Name: Q7-GX**

<p><b>Processor</b></p>	<p>AMD GX-415GA, Quad Core @ 1.5GHz, 2MB L2 Cache, TDP 15W</p> <p>AMD GX-411GA, Quad Core @1.1GHz, 2MB L2 Cache, TDP 15W</p> <p>AMD GX-217GA, Dual Core @ 1.65GHz, 1MB L2 Cache, TDP 15W</p> <p>AMD GX-210HA, Dual Core @ 1.0GHz, 1MB L2 Cache, TDP 9W            AMD GX-209HA, Dual Core @ 1.0GHz, 1MB L2 Cache, TDP 9W</p> <p>AMD GX-210JA, Dual Core @ 1.0GHz, 1MB L2 Cache, TDP 6W</p>
<p><b>Max Cores</b></p>	<p>4</p>
<p><b>Max Thread</b></p>	
<p><b>Memory</b></p>	<p>up to 8GB Single-Channel DDR3 1600MHz with ECC soldered onboard</p> <p>1333MHz memory with GX-210HA</p> <p>1066MHz memory with GX-411GA, GX-210JA and GX-209HA</p>
<p><b>Graphics</b></p>	<p>Embedded AMD HD RADEON GPUs:            HD8330E @500MHz (GX-415GA)            HD8280E @450MHz (GX-217GA)            HD8210E @300MHz (GX-210HA, GX- 411GA)            HD8180E @225MHz (GX-210JA, GX-209HA)</p> <p>Dual independent display support</p> <p>HW decoding of H.264, MPEG4, MPEG2, MVC, VC1 formats</p> <p>HW encoding to H.264 formats</p>

<b>Video Interfaces</b>	<p>HDMI or Display Port interface (Factory options)</p> <p>Embedded Display Port or 18/24 bit dual channel LVDS interface (Factory options)</p> <p>Additional VGA interface (optional external adapter is required)</p>
<b>Video Resolution</b>	<p>HDMI: Up to 1920x1200 @60Hz</p> <p>Display Port, eDP: Up to 2560x1600 @60Hz</p> <p>CRT: Up to 2048x1536 @60Hz</p> <p>Optional LVDS interface: Up to 1920x1200 @60Hz</p>
<b>Mass Storage</b>	<p>Up to 2 external S-ATA channels</p> <p>SD Interface</p> <p>Optional SATA Flash Disk soldered on board</p>
<b>Networking</b>	<p>Gigabit Ethernet interface</p>
<b>USB</b>	<p>1 x USB 3.0 Host port</p> <p>6 x USB 2.0 Host ports (one shared with USB 3.0)</p>
<b>PCI-e</b>	<p>Up to 4 x PCI-e x1 lanes, configurable as 4 x1, 2 x2, 1 x2 + 2 x1, 1 x4 (only 3 x PCI-e x1 lanes with GX-210JA)</p>
<b>Audio</b>	<p>HD Audio Interface</p>
<b>Other Interfaces</b>	<p>I2C / LPC / SMBus</p> <p>Thermal / FAN management</p> <p>Optional UART and SPI Interfaces</p>
<b>Operating System</b>	<p>Microsoft® Windows® 7 (32/64 bit)</p> <p>Microsoft® Windows® 8 (32/64 bit)</p> <p>Microsoft® Windows® 8.1 (32/64 bit)</p> <p>Microsoft® Windows® Embedded Standard 7 (32/64 bit)</p>



# Qseven® Standard

	Linux (32/64 bit)
<b>Operation Temperature</b>	0°C ÷ +60°C (commercial version) -40°C ÷ +85°C (industrial version)
<b>Dimensions</b>	70x70 mm (2.76" x 2.76")

*\*Measured at any point of the heatspreader/heatsink during any and all times (including start-up). Actual temperature will widely depend on application, enclosure and/or environment. Upon customer to consider specific cooling solutions for the final system.*