



Product Name: Q7-BT

<p>Processor</p>	<p>Intel® Atom™ E3845, Quad Core @1.91GHz, 2MB Cache, 10W TDP</p> <p>Intel® Atom™ E3827, Dual Core @1.75GHz, 1MB Cache, 8W TDP</p> <p>Intel® Atom™ E3826, Dual Core @1.46GHz, 1MB Cache, 7W TDP</p> <p>Intel® Atom™ E3825, Dual Core @1.33GHz, 1MB Cache, 6W TDP</p> <p>Intel® Atom™ E3815, Single Core @1.46GHz, 512KB Cache, 5W TDP</p> <p>Intel® Celeron® J1900, Quad Core @2.0GHz, 2MB Cache, 10W TDP Intel® Celeron® N2930, Quad Core @1.83GHz, 2MB Cache, 7.5W TDP</p> <p>Intel® Celeron® N2807, Dual Core @1.58GHz, 1MB Cache, 4.3W TDP</p>
<p>Max Cores</p>	<p>4</p>
<p>Max Thread</p>	<p>4</p>
<p>Memory</p>	<p>E3845, E3827, J1900, N2930: up to 8GB Dual-Channel DDR3L 1333MHz Soldered onboard</p> <p>E3826: up to 8GB Dual-Channel DDR3L 1066MHz Soldered onboard N2807: up to 4GB Single-Channel DDR3L 1333MHz Soldered onboard E3825, E3815: up to 4GB Single-Channel DDR3L 1066MHz Soldered onboard</p> <p>For Industrial Temperature range modules, the maximum capacity of memory currently available is 2GB Single Channel (E3825 and E3815 SOC) or 4GB Dual Channel (E3845, E3827 and E3826 SOC).</p>
<p>Graphics</p>	<p>Integrated Intel® HD Graphics controller</p>

	<p>Dual independent display support</p> <p>HW decoding of H.264, MPEG2, MVC, VC1, VP8, MJPEG formats</p> <p>HW encoding of H.264, MPEG2 and MVC formats</p>
Video Interfaces	<p>HDMI or Multimode 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>
Video Resolution	<p>HDMI: Up to 1920x1080p@60Hz</p> <p>Display Port, eDP, CRT Up to 2560x1600@60Hz</p> <p>Optional LVDS interface Up to 1920x1200@60Hz</p>
Mass Storage	<p>Up to 2 x external S-ATA channels</p> <p>SD Interface Optional</p> <p>SATA Flash Disk soldered on board</p>
Networking	<p>Gigabit Ethernet interface</p>
USB	<p>1 x USB 3.0 Host port</p> <p>6 x USB 2.0 Host ports (one shared with USB 3.0)</p>
PCI-e	<p>3 x PCI-e x1 lanes</p>
Audio	<p>HD Audio Interface</p>
Other Interfaces	<p>I2C / LPC / SMBus</p> <p>Thermal / FAN management UART Interface</p> <p>SPI interface</p>
Operating System	<p>Microsoft® Windows® 7 (32/64 bit)</p>

	Microsoft® Windows® 8.1 (32/64 bit) Microsoft® Windows® Embedded Standard 7 (32/64 bit) Microsoft® Windows® Embedded Standard 8 (32/64 bit) Microsoft® Windows® Embedded Compact 7 Linux (32/64 bit)
Operation Temperature	0°C ÷ +60°C (commercial version) -40°C ÷ +85°C (industrial version)
Dimensions	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.*