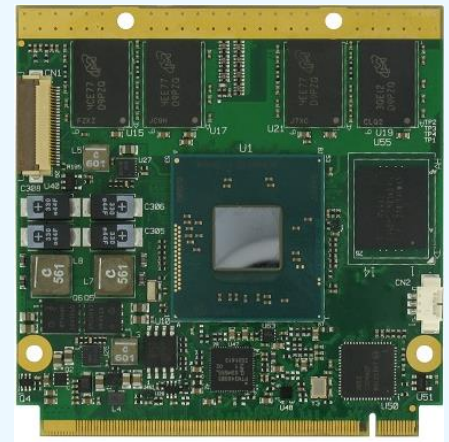


## Product Name: Q7-A36



<b>Highlights</b>	<ul style="list-style-type: none"> <li>eMMC drive on-board</li> <li>Available in Industrial temperature range</li> <li>Low power solution</li> <li>Camera Interface</li> <li>Integrated 64-bit memory controller</li> </ul>
<b>Part Number</b>	Q7-A36
<b>Main Fields of Application</b>	<ul style="list-style-type: none"> <li>HMI</li> <li>Industrial Automation and Control</li> <li>Portable Devices</li> <li>In-vehicle Infotainment Systems</li> </ul>
<b>Processor</b>	<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® Atom™ E3805, Dual Core @ 1.33GHz, 1MB Cache, 3W TDP</p> <p>Intel® Celeron® J1900, Quad Core @2.0GHz, 2MB Cache, 10W TDP</p> <p>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>
<b>Max Cores</b>	4
<b>Memory</b>	<p>Soldered on-board DDR3L memory</p> <p>E3845, E3827, J1900, N2930: up to 8GB Dual-Channel DDR3L 1333MHz</p> <p>E3826: up to 8GB Dual-Channel DDR3L 1066MHz</p> <p>N2807: up to 4GB Single-Channel DDR3L 1333MHz</p> <p>E3825, E3815: up to 4GB Single-Channel DDR3L 1066MHz</p>
<b>Graphics</b>	<p>Integrated Intel® HD Graphics 4000 series controller (not for E3805)</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>
<b>Video Interface</b>	<p>HDMI or Multimode Display Port interface</p> <p>Embedded Display Port or 18 / 24 bit dual channel LVDS interface</p> <p>Optional Camera interface</p>
<b>Video Resolution</b>	<p>HDMI: Up to 1920x1080p@60Hz</p> <p>Display Port, eDP: Up to 2560x1600@60Hz</p> <p>Optional LVDS interface: Up to 1920x1200@60Hz</p>

