Paired with the Mobile Intel® QM77 Express chipset, this development kit offers faster connectivity with integrated next-generation I/O technologies such as PCI Express® Gen 3.0 and USB 3.0. The platform supports three independent displays, enabling one system to deliver multiple displays without the need for a discrete graphics card. Built-in visual features, including Intel® Clear Video HD technology and Intel® Quick Sync Video, mean smoother visual quality, improved ability to decode and transcode simultaneous video streams, and spectacular HD media playback.

Support for Intel® vPro™ technology—including Intel® Virtualization Technology, Intel® Active Management Technology and Intel® Trusted Execution Technology—delivers intelligent security, expanded management capabilities and improved power management, supporting remote manageability even when the system is powered off, the operating system is unresponsive or software agents are disabled.

Intel's comprehensive validation process enables rapid deployment of next-generation platforms to help developers maximize competitive advantage and minimize development risks. This and other development kits from Intel provide working systems with a range of performance options that can be modified or used immediately for product development, and allow software vendors to test BIOS and operating system software.

Included in the Kit
- Fanless mini-ITX enclosure
- Development board with Intel Core i5-3610ME processor (PGA) and Mobile Intel QM77 Express chipset, installed
- 60 GB solid-state drive (SSD)
- One (1) 150 W power supply
- One (1) custom SATA cable (combines data and power)
- Quick start SATA cable (printed)/User guide (DVD)
- Installer for drivers (DVD)

Board and Peripheral Features
- 2 GB DDR3 (dual-channel) with two (2) connectors for non-ECC SODIMM memory support
- 2x USB 3.0 and 4x USB 2.0
- Wireless LAN mini PCIe connector
- SATA Gen 2 and SATA Gen 3 ports
- DP, HDMI®, DVI and VGA ports for multiple display support
- Gigabit Ethernet LAN port
- Analog audio
- Two (2) comm ports

Manufactured on industry-leading 22nm process technology with 3D Tri-Gate transistors, the Intel® Core™ i5-3610ME processor offers superior performance, enhanced media and graphics capabilities and flexibility, making this development kit ideal for a wide range of intelligent systems including retail transaction terminals, digital signage, digital security and surveillance, gaming platforms, and industrial automation. In addition to Intel® Turbo Boost Technology™ 2.0 and Intel® Hyper-Threading Technology, the dual-core processor features full integration of the CPU, media and graphics capabilities, and memory controller to reduce overall platform footprint and save on-board real estate, while supporting a rich multimedia experience.
Software Overview

The following independent operating system and BIOS vendors provide support for this platform:

<table>
<thead>
<tr>
<th>OPERATING SYSTEM</th>
<th>CONTACT</th>
<th>BIOS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Microsoft Windows* 7</td>
<td>Intel provides drivers³</td>
<td>American Megatrends</td>
</tr>
<tr>
<td>Microsoft Windows* XP SP3</td>
<td>Intel provides drivers³</td>
<td>Insyde Software</td>
</tr>
<tr>
<td>Microsoft Windows Embedded Standard 7</td>
<td>Intel provides drivers³</td>
<td>Phoenix Technologies</td>
</tr>
<tr>
<td>Microsoft windows Embedded POSReady (WEPOS)</td>
<td>Intel provides drivers³</td>
<td></td>
</tr>
</tbody>
</table>

Intel strives to provide customers with a complete development environment supporting customer applications and operating systems. Any software provided in these development kits is subject to change without notice. Customers are encouraged to check for software updates at intel.com/design/intarch/devkits/index.htm.

Order Information

**INTEL® CORE™ i5-3610ME® PROCESSOR WITH MOBILE INTEL® QM77 EXPRESS CHIPSET DEVELOPMENT KIT**

<table>
<thead>
<tr>
<th>Operating system and software not preloaded</th>
<th>PRODUCT CODE</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECGI5QM77YC1DVK</td>
<td></td>
</tr>
<tr>
<td>Wind River Linux* 5.0 BSP, preloaded</td>
<td>ECGI5QM77YC2DVK</td>
</tr>
<tr>
<td>Microsoft Windows* Embedded Standard 7, preloaded</td>
<td>ECGI5QM77YC3DVK</td>
</tr>
</tbody>
</table>

Intel in Intelligent Systems: intel.com/intelligentsystems

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¹ Intel processor numbers are not a measure of performance. Processor numbers differentiate features within each processor family, not across different processor families. See www.intel.com/products/processor_number for details.

² Requires a system with Intel® Turbo Boost Technology. Intel Turbo Boost Technology and Intel Turbo Boost Technology 2.0 are only available on select Intel® processors. Consult your PC manufacturer. Performance varies depending on hardware, software, and system configuration. For more information, visit http://www.intel.com/go/turbo.

³ Requires an Intel® HT Technology-enabled system; check with your PC manufacturer. Performance will vary depending on the specific hardware and software used. For more information including details on which processors support HT Technology, visit http://www.intel.com/info/hyperthreading.

4 Built-in visual features are not enabled on all PCs and optimized software may be required. Check with your system manufacturer. Learn more at http://www.intel.com/go/biv.

5 Intel® vPro™ Technology is sophisticated and requires setup and activation. Availability of features and results will depend upon the setup and configuration of your hardware, software and IT environment. To learn more visit: http://www.intel.com/technology/vpro.

6 Intel® Virtualization Technology requires a computer system with an enabled Intel® processor, BIOS, virtual machine monitor (VMM). Functionality, performance or other benefits will vary depending on hardware and software configurations. Software applications may not be compatible with all operating systems. Consult your PC manufacturer. For more information, visit http://www.intel.com/go/virtualization.

7 Requires activation and a system with a corporate network connection, an Intel® vAMT-enabled chipset, network hardware and software. For notebooks, Intel® vAMT may be unavailable or limited over a host OS-based VPN, when connecting wirelessly, on battery power, sleeping, hibernating or powered off. Results depend upon hardware, setup & configuration. For more information, visit http://www.intel.com/technology/virtualization/technology/intel-amt.

8 No computer system can provide absolute security under all conditions. Intel® Trusted Execution Technology (Intel® vTPM) requires a computer system with Intel® Virtualization Technology, an Intel® vTPM-enabled processor, chipset, BIOS, Authenticated Code Modules and an Intel® vTPM-compatible measured launched environment (MLE). Intel® vTPM also requires the system to contain a TPM v1.s. For more information, visit http://www.intel.com/technology/security.

9 Drivers required to enable HDMI.

10 Drivers available at: downloadcenter.intel.com (enter chipset name).

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