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# Intel® QM87 Chipset (Intel® DH82QM87 PCH)

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## SPECIFICATIONS

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## COMPATIBLE PRODUCTS

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## SPECIFICATIONS

### Essentials

|                            |                      |
|----------------------------|----------------------|
| Status                     | Launched             |
| Launch Date                | Q2'13                |
| Supported FSBs             | N/A                  |
| FSB Parity                 | No                   |
| Embedded Options Available | Yes                  |
| Lithography                | 32 nm                |
| Max TDP                    | 2.7 W                |
| Recommended Customer Price |                      |
| Product Brief              | <a href="#">Link</a> |

### Graphics Specifications

|                               |     |
|-------------------------------|-----|
| Integrated Graphics ‡         | No  |
| Graphics Output               | VGA |
| Intel® Clear Video Technology | Yes |
| # of Displays Supported ‡     | 3   |
| Intel® Insider™               | Yes |

### Expansion Options

|                              |            |
|------------------------------|------------|
| PCI Support                  | No         |
| PCI Express Revision         | 2.0        |
| PCI Express Configurations ‡ | x1, x2, x4 |
| Max # of PCI Express Lanes   | 8          |

### I/O Specifications

|              |         |
|--------------|---------|
| USB Revision | 3.0/2.0 |
|--------------|---------|

## RELATED PRODUCTS

### Products formerly Lynx Point


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## QUICK LINKS

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## PCN/MDDS INFORMATION

### SR13G

[927364: PCN | MDDS](#)

### SR17C

[929149: PCN | MDDS](#)

Newsroom

Chip Shot: Intel's Take on Education Solutions



USA (English) ▾

|                              |          |
|------------------------------|----------|
| USB 3.0                      | 0        |
| USB 2.0                      | 8        |
| Total # of SATA Ports        | 6        |
| Max # of SATA 6.0 Gb/s Ports | 4        |
| RAID Configuration           | 0/1/5/10 |
| Integrated LAN               | No       |
| Integrated IDE               | No       |
| Integrated SAS ports         | No       |
| PCIe* Uplink                 | No       |

| Package Specifications                                     |                       |
|--|-----------------------|
| Max CPU Configuration                                      | 1                     |
| Package Size   | 20mm x 20 mm x1.573mm |
| Low Halogen Options Available                              | See MDDs              |
| Advanced Technologies                                      |                       |
| Intel® Virtualization Technology for Directed I/O (VT-d) † | Yes                   |
| Intel® vPro Technology †                                   | Yes                   |
| Intel® ME Firmware Version                                 | 9.0                   |
| Intel® HD Audio Technology                                 | Yes                   |
| Intel® Matrix Storage Technology                           | Yes                   |
| Intel® Rapid Storage Technology                            | Yes                   |
| Intel® Smart Connect Technology                            | Yes                   |
| Intel® Smart Response Technology                           | Yes                   |
| Intel® Stable Image Platform Program (SIPP)                | Yes                   |
| Intel® Small Business Advantage                            | Yes                   |
| Intel® Platform Protection Technology                      |                       |
| Trusted Execution Technology †                             | Yes                   |
| Anti-Theft Technology                                      | Yes                   |

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"Announced" SKUs are not yet available. Please refer to the Launch Date for market availability.

† This feature may not be available on all computing systems. Please check with the system vendor to determine if your system delivers this feature, or reference the system specifications (motherboard, processor, chipset, power supply, HDD, graphics controller, memory, BIOS, drivers, virtual machine monitor-VMM, platform software, and/or operating system) for feature compatibility. Functionality, performance, and other benefits of this feature may vary depending on system configuration.

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System and Maximum TDP is based on worst case scenarios. Actual TDP may be lower if not all I/Os for chipsets are used.

Low Halogen: Applies only to brominated and chlorinated flame retardants (BFRs/CFRs) and PVC in the final product. Intel components as well as purchased components on the finished assembly meet JS-709 requirements, and the PCB / substrate meet IEC 61249-2-21 requirements. The replacement of halogenated flame retardants and/or PVC may not be better for the environment.

WARNING: Altering clock frequency and/or voltage may: (i) reduce system stability and useful life of the system and processor; (ii) cause the processor and other system components to fail; (iii) cause reductions in system performance; (iv) cause additional heat or other damage; and (v) affect system data integrity. Intel has not tested, and does not warranty, the operation of the processor beyond its specifications. Intel assumes no responsibility that the processor, including if used with altered clock frequencies and/or voltages, will be fit for any particular purpose. For more information, visit <http://www.intel.com/content/www/us/en/gaming/overclocking/overclocking-intel-processors.html>

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