

## Intel Atom Z3735F processor 1.33 GHz 2 MB L2

**Brand :** Intel

**Product family:** Atom

**Product code:**  
FH8065301685598

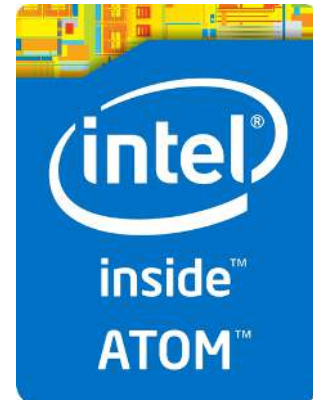
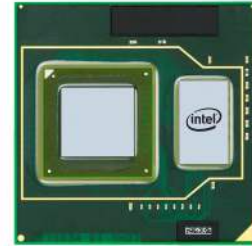
**Product name :** Z3735F

Intel Atom® Processor Z3735F  
(2M Cache, up to 1.83 GHz)

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Intel® 64 architecture delivers 64-bit computing on server, workstation, desktop and mobile platforms when combined with supporting software. Intel 64 architecture improves performance by allowing systems to address more than 4 GB of both virtual and physical memory.

Intel Atom Z3735F. Processor family: Intel Atom®, Processor socket: BGA 592, Component for: Smartphone/Tablet. Memory channels: Single-channel, Maximum internal memory supported by processor: 2 GB, Memory types supported by processor: DDR3L-RS-SDRAM. On-board graphics adapter model: Intel® HD Graphics, On-board graphics adapter base frequency: 311 MHz, On-board graphics adapter burst frequency: 646 MHz. Graphics & IMC lithography: 22 nm, Market segment: Mobile, Export Control Classification Number (ECCN): 5A992CN3. Processor package size: 17mm x 17mm



| Processor                                      |                         | Graphics   |  |
|--|-------------------------|--|--|
| Processor manufacturer *                       | Intel                   | On-board graphics adapter burst frequency                  | 646 MHz                                      |
| Processor base frequency *                     | 1.33 GHz                | <b>Features</b>  |  |
| Processor family *                             | Intel Atom®             | CPU configuration (max)                                    | 1  |
| Processor cores *                              | 4                       | Embedded options available                                 | ✗  |
| Processor socket *                             | BGA 592                 | Graphics & IMC lithography                                 | 22 nm  |
| Component for *                                | Smartphone/Tablet       | Market segment   | Mobile                                       |
| Processor lithography *                        | 22 nm                   | Harmonized System (HS) code                                | 8542310001                                   |
| Processor series                               | Intel Atom Z3700 Series | Export Control Classification Number (ECCN)                | 5A992CN3                                     |
| Processor model *                              | Z3735F                  | Commodity Classification Automated Tracking System (CCATS) | G143235                                      |
| Processor threads                              | 4                       | <b>Processor special features</b>                          |  |
| Processor operating modes *                    | 64-bit                  | Intel® Turbo Boost Technology                              | ✗  |
| Processor cache                                | 2 MB                    | Intel 64   | ✓  |
| Processor cache type                           | L2                      | Intel Virtualization Technology (VT-x)                     | ✓  |
| Scenario Design Power (SDP)                    | 2.2 W                   | Conflict-Free processor                                    | ✓  |
| Box *  | ✗                       | <b>Technical details</b>                                   |  |
| Cooler included *                              | ✗                       | Born on date   | Q1'14  |
| Processor boost frequency                      | 1.83 GHz                | Launch date  | Q1'14  |
| Stepping                                       | C0                      | Number of graphics cores                                   | 1  |
| Memory bandwidth supported by processor (max)  | 10.6 GB/s               | Processor cache  | 2048 KB                                      |
| Processor codename                             | Bay Trail               | Product name   | Intel Atom Z3735F (2M Cache, up to 1.83 GHz) |
| Processor code                                 | SR1UB                   | Product type   | System on Chip                               |
| Processor ARK ID                               | 80274                   |  |  |
| <b>Memory</b>                                  |                         |  |  |
| Maximum internal memory supported by processor | 2 GB                    |  |  |

| Memory                                     |                    | Technical details                            |  |
|--|--------------------|--|--|
| Memory types supported by processor        | DDR3L-RS-SDRAM     | Status                                       | Discontinued                                   |
| Memory clock speeds supported by processor | 1333 MHz           | Maximum memory                               | 2 GB   |
| Memory channels *                          | Single-channel     | Processor brand name                         | Intel Atom                                     |
| Graphics                                   |                    | Supported memory types                       | DDR3L-RS-SDRAM                                 |
| On-board graphics adapter *                | ✔                  | Last change                                  | 63903513                                       |
| On-board graphics adapter model *          | Intel® HD Graphics | Product family                               | Intel Atom Processor for Smartphone and Tablet |
| On-board graphics adapter base frequency   | 311 MHz            | Weight & dimensions                          |  |
|  |                    | Processor package size                       | 17mm x 17mm                                    |
|  |                    | Other features                               |  |
|  |                    | Intel® Virtualization Technology (Intel® VT) | VT-x   |
|  |                    | Maximum internal memory                      | 2 GB   |
|  |                    | Maximum internal memory                      | 2048 MB  |
|  |                    | Cache memory                                 | 2 MB   |

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