

Intel Atom Z3735F processor 1.33 GHz 2 MB L2

Brand : Intel

Product family: Atom

Product code:
FH8065301685598

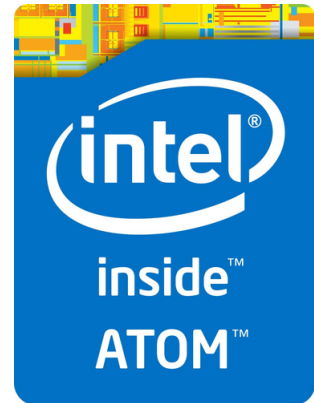
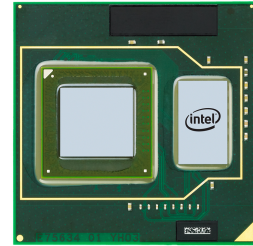
Product name : Z3735F

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 | Features CPU configuration (max)1 Embedded options available✖ Graphics & IMC lithography22 nm Market segmentMobile Harmonized System (HS) code8542310001 Export Control Classification Number (ECCN)5A992CN3 Commodity Classification Automated Tracking System (CCATS)G143235 | |
| Processor family * | Intel Atom® | | |
| Processor cores * | 4 | | |
| Processor socket * | BGA 592 | | |
| Component for * | Smartphone/Tablet | | |
| Processor lithography * | 22 nm | | |
| Processor series | Intel Atom Z3700 Series | | |
| Processor model * | Z3735F | | |
| Processor threads | 4 | | |
| Processor operating modes * | 64-bit | | |
| Processor cache | 2 MB | Processor special features Intel® Turbo Boost Technology✖ Intel 64✔ Intel Virtualization Technology (VT-x)✔ Conflict-Free processor✔ | |
| Processor cache type | L2 | | |
| Scenario Design Power (SDP) | 2.2 W | | |
| Box * | ✖ | | |
| Cooler included * | ✖ | | |
| Processor boost frequency | 1.83 GHz | | |
| Stepping | C0 | | |
| Memory bandwidth supported by processor (max) | 10.6 GB/s | | |
| Processor codename | Bay Trail | | |
| Processor code | SR1UB | Technical details Born on dateQ1'14 Launch dateQ1'14 Number of graphics cores1 Processor cache2048 KB Product nameIntel Atom Z3735F (2M Cache, up to 1.83 GHz) Product typeSystem on Chip | |
| Processor ARK ID | 80274 | | |
| Memory | | | |
| 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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Publication date: 04-JUN-2021. Prints or copies of Information are only valid on the printed Publication date