

10AS048K1F35E1HG



**Part Number:** 10AS048K1F35E1HG

**Manufacturer:** Intel® FPGAs

**Description:** IC SOC FPGA 396 I/O 1152FBGA

**Data sheet:**  [Arria® 10 Device Overview](#)  
 [Arria 10 Device Datasheet](#)

**RoHs Status:** Lead free / RoHS Compliant

**Ship From:** Hong Kong

**Shipment Way:** DHL/Fedex/TNT/UPS/EMS

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| PRODUCT PARAMETER               |                                              |                                  |                                                                                                                                            |
|---------------------------------|----------------------------------------------|----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| Part Number                     | 10AS048K1F35E1HG                             | Manufacturer                     | <a href="#">Intel® FPGAs</a>                                                                                                               |
| Description                     | IC SOC FPGA 396 I/O 1152FBGA                 | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                                                                                 |
| Quantity Available              | 23 pcs                                       | Data sheet                       | <a href="#">Arria® 10 Device Overview</a><br><a href="#">Arria 10 Device Datasheet</a>                                                     |
| Category                        | <a href="#">Integrated Circuits (ICs)</a>    | Supplier Device Package          | 1152-FBGA (35x35)                                                                                                                          |
| Speed                           | 1.5GHz                                       | Series                           | Arria 10 SX                                                                                                                                |
| RAM Size                        | 256KB                                        | Primary Attributes               | FPGA - 480K Logic Elements                                                                                                                 |
| Peripherals                     | DMA, POR, WDT                                | Packaging                        | Tray                                                                                                                                       |
| Package / Case                  | 1152-BBGA, FCBGA                             | Operating Temperature            | 0°C ~ 100°C (TJ)                                                                                                                           |
| Number of I/O                   | 396                                          | Moisture Sensitivity Level (MSL) | 3 (168 Hours)                                                                                                                              |
| Manufacturer Standard Lead Time | 12 Weeks                                     | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                                                                                 |
| Flash Size                      | -                                            | Detailed Description             | Dual ARM® Cortex®-A9 MPCore™ with CoreSight™ System On Chip (SOC) IC Arria 10 SX FPGA - 480K Logic Elements 256KB 1.5GHz 1152-FBGA (35x35) |
| Core Processor                  | Dual ARM® Cortex®-A9 MPCore™ with CoreSight™ | Connectivity                     | EBI/EMI, Ethernet, I²C, MMC/SD/SDIO, SPI, UART/USART, USB OTG                                                                              |
| Architecture                    | MCU, FPGA                                    |                                  |                                                                                                                                            |

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