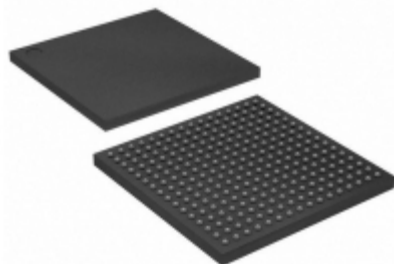


EPF10K100EFC256-1





**Part Number:** [EPF10K100EFC256-1](#)

**Manufacturer:** [Altera \(Intel® Programmable Solutions Group\)](#)

**Description:** IC FPGA 191 I/O 256FBGA

**Data sheet:**  [256-FBGA Pkg Info](#)  
 [FLEX 10KE Device Data Sheet](#)

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

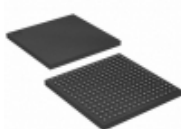
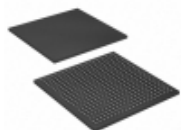
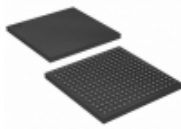
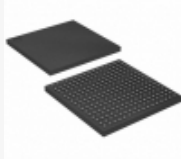
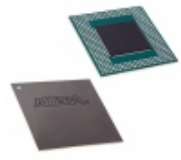
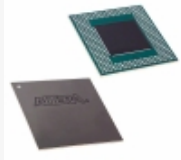
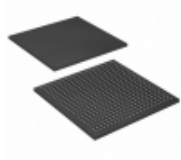
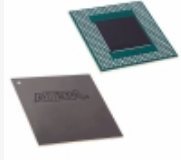
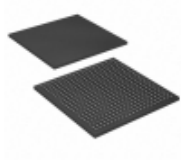
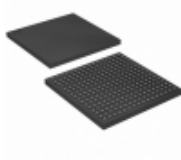
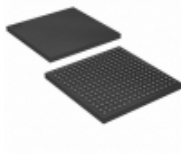
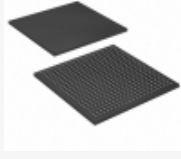
**Ship From:** Hong Kong

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

Images are for reference only.  
See Product Specifications for product details.  
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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                           |                                |                                                                                  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|--------------------------------|----------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | EPF10K100EFC256-1                         | Manufacturer                   | <a href="#">Altera (Intel® Programmable Solutions Group)</a>                     |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | IC FPGA 191 I/O 256FBGA                   | Lead Free Status / RoHS Status | Lead free / RoHS Compliant                                                       |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 6044 pcs                                  | Data sheet                     | <a href="#">256-FBGA Pkg Info</a><br><a href="#">FLEX 10KE Device Data Sheet</a> |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | <a href="#">Integrated Circuits (ICs)</a> | Voltage - Supply               | 2.375 V ~ 2.625 V                                                                |
| Total RAM Bits                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 49152                                     | Supplier Device Package        | 256-FBGA (17x17)                                                                 |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | FLEX-10KE®                                | Package / Case                 | 256-BGA                                                                          |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 0°C ~ 70°C (TA)                           | Number of Logic Elements/Cells | 4992                                                                             |
| Number of LABs/CLBs                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 624                                       | Number of I/O                  | 191                                                                              |
| Number of Gates                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 257000                                    | Mounting Type                  | Surface Mount                                                                    |
| Moisture Sensitivity Level (MSL)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 3 (168 Hours)                             | Lead Free Status / RoHS Status | Lead free / RoHS Compliant                                                       |
| Base Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | EPF10K100                                 |                                |                                                                                  |
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| RELATED PRODUCTS                                                                   |                                                                                   |                                                                             |                     |
|------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------|---------------------|
|  | Part#: <a href="#">EPF10K100EFC256-3N</a><br>Description: IC FPGA 191 I/O 256FBGA | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EPF10K100EBC356-2X</a><br>Description: IC FPGA 274 I/O 356BGA  | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EPF10K100EFC484-1</a><br>Description: IC FPGA 338 I/O 484FBGA  | Manufacturers: <a href="#">Intel® FPGAs</a>                                 | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EPF10K100EFC256-2AA</a><br>Description: IC FPGA                | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EPF10K100EFC256-3</a><br>Description: IC FPGA 191 I/O 256FBGA  | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EPF10K100EFC256-1X</a><br>Description: IC FPGA 191 I/O 256FBGA | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EPF10K100EBC356-3</a><br>Description: IC FPGA 274 I/O 356BGA   | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EPF10K100EBI356-3</a><br>Description: IC FPGA                  | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EPF10K100EBC356-2</a><br>Description: IC FPGA 274 I/O 356BGA   | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EPF10K100EBC356-2N</a><br>Description: IC FPGA 274 I/O 356BGA  | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EPF10K100EFC484-1N</a><br>Description: IC FPGA 338 I/O 484FBGA | Manufacturers: <a href="#">Intel® FPGAs</a>                                 | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EPF10K100EBC356-1X</a><br>Description: IC FPGA 274 I/O 356BGA  | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EPF10K100EFC484-1X</a><br>Description: IC FPGA 338 I/O 484FBGA | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EPF10K100EBC356-1B</a><br>Description: IC FPGA                 | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EPF10K100EFC256-2</a><br>Description: IC FPGA 191 I/O 256FBGA  | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EPF10K100EBC356-1</a><br>Description: IC FPGA 274 I/O 356BGA   | Manufacturers: <a href="#">Intel® FPGAs</a>                                 | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EPF10K100EBC356-1N</a><br>Description: IC FPGA 274 I/O 356BGA  | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EPF10K100ARI240-3N</a><br>Description: IC FPGA 189 I/O 240RQFP | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EPF10K100EFC256-2X</a><br>Description: IC FPGA 191 I/O 256FBGA | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EPF10K100EFC484-2</a><br>Description: IC FPGA 338 I/O 484FBGA  | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <a href="#">RFQ</a> |

|                                               |                                              |                             |                                              |
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