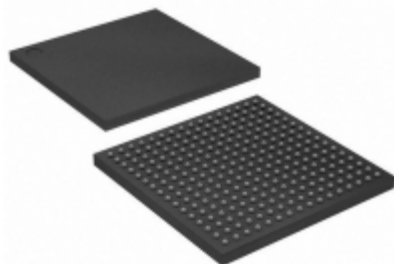


EPM7512AEFC256-12N





**Part Number:** [EPM7512AEFC256-12N](#)

**Manufacturer:** [Intel® FPGAs](#)

**Description:** IC CPLD 512MC 12NS 256FBGA

**Data sheet:**  [256-FBGA Pkg Info](#)  
 [MAX 7000A](#)

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

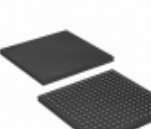
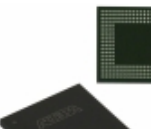
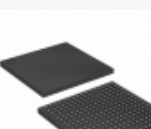
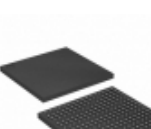
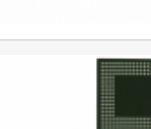
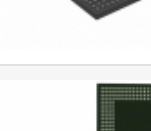
**Ship From:** Hong Kong

**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                                                                                                                                                                                                                                                                                                                                                                                                                                            | EPM7512AEFC256-12N                        | Manufacturer                     | <a href="#">Intel® FPGAs</a>                                   |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                            | IC CPLD 512MC 12NS 256FBGA                | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                     |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                     | 492 pcs                                   | Data sheet                       | <a href="#">256-FBGA Pkg Info</a><br><a href="#">MAX 7000A</a> |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                               | <a href="#">Integrated Circuits (ICs)</a> | Voltage Supply - Internal        | 3 V ~ 3.6 V                                                    |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                                | 256-FBGA (17x17)                          | Series                           | MAX® 7000A                                                     |
| Programmable Type                                                                                                                                                                                                                                                                                                                                                                                                                                      | In System Programmable                    | Packaging                        | Tray                                                           |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                         | 256-BGA                                   | Operating Temperature            | 0°C ~ 70°C (TA)                                                |
| Number of Macrocells                                                                                                                                                                                                                                                                                                                                                                                                                                   | 512                                       | Number of Logic Elements/Blocks  | 32                                                             |
| Number of I/O                                                                                                                                                                                                                                                                                                                                                                                                                                          | 212                                       | Number of Gates                  | 10000                                                          |
| Mounting Type                                                                                                                                                                                                                                                                                                                                                                                                                                          | Surface Mount                             | Moisture Sensitivity Level (MSL) | 3 (168 Hours)                                                  |
| Manufacturer Standard Lead Time                                                                                                                                                                                                                                                                                                                                                                                                                        | 8 Weeks                                   | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                     |
| Delay Time tpd(1) Max                                                                                                                                                                                                                                                                                                                                                                                                                                  | 12.0ns                                    | Base Part Number                 | EPM7512                                                        |
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|------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----------------------------------------------------------------------------|---------------------|
|  | Part#: <a href="#">EPM7512AEQC208-10N</a><br>Description: IC CPLD 512MC 10NS 208QFP   | Manufacturers: <a href="#">Intel® FPGAs</a>                                 | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EPM7512AEQC208-10</a><br>Description: IC CPLD 512MC 10NS 208QFP    | Manufacturers: <a href="#">Intel® FPGAs</a>                                 | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EPM7512AEQC208-12N</a><br>Description: IC CPLD 512MC 12NS 208QFP   | Manufacturers: <a href="#">Intel® FPGAs</a>                                 | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EPM7512AEQC208-7</a><br>Description: IC CPLD 512MC 7.5NS 208QFP    | Manufacturers: <a href="#">Intel® FPGAs</a>                                 | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EPM7512AEBBC256-7EM</a><br>Description: IC CPLD 512MC 7.5NS 256BGA | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EPM7512AEFC256-10</a><br>Description: IC CPLD 512MC 10NS 256FBGA   | Manufacturers: <a href="#">Intel® FPGAs</a>                                 | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EPM7512AEBBC256-10N</a><br>Description: IC CPLD 512MC 10NS 256BGA  | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EPM7512AEFC256-7N</a><br>Description: IC CPLD 512MC 7.5NS 256FBGA  | Manufacturers: <a href="#">Intel® FPGAs</a>                                 | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EPM7512AEBI256-10</a><br>Description: IC CPLD 512MC 10NS 256FBGA   | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EPM7512AEFC256-10N</a><br>Description: IC CPLD 512MC 10NS 256FBGA  | Manufacturers: <a href="#">Intel® FPGAs</a>                                 | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EPM7512AEBI256-7</a><br>Description: IC CPLD 512MC 7.5NS 256FBGA   | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EPM7512AEBBC256-6EM</a><br>Description: IC CPLD 512MC 6NS 256BGA   | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EPM7512AEFC256-7</a><br>Description: IC CPLD 512MC 7.5NS 256FBGA   | Manufacturers: <a href="#">Intel® FPGAs</a>                                 | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EPM7512AEFI256-10N</a><br>Description: IC CPLD 512MC 10NS 256FBGA  | Manufacturers: <a href="#">Intel® FPGAs</a>                                 | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EPM7512AEFC256-12</a><br>Description: IC CPLD 512MC 12NS 256FBGA   | Manufacturers: <a href="#">Intel® FPGAs</a>                                 | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EPM7512AEBBC256-12</a><br>Description: IC CPLD 512MC 12NS 256BGA   | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EPM7512AEQC208-12</a><br>Description: IC CPLD 512MC 12NS 208QFP    | Manufacturers: <a href="#">Intel® FPGAs</a>                                 | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EPM7512AEQC208-7N</a><br>Description: IC CPLD 512MC 7.5NS 208QFP   | Manufacturers: <a href="#">Intel® FPGAs</a>                                 | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EPM7512AEFI256-10</a><br>Description: IC CPLD 512MC 10NS 256FBGA   | Manufacturers: <a href="#">Intel® FPGAs</a>                                 | <a href="#">RFQ</a> |
|  | Part#: <a href="#">EPM7512AEBBC256-7</a><br>Description: IC CPLD 512MC 7.5NS 256BGA   | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <a href="#">RFQ</a> |

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