

FPGA, CYCLONE III, 16K LE, 256UBGA Programmable Logic Type:FPGA; Logic IC function:FPGA; Logic IC family:Cyclone III; Logic IC Base Number:3; I/O lines, No. of:168;

Manufacturers	<u>Altera Corporation (Intel)</u>
Package/Case	BGA-256
Product Type	Programmable Logic ICs
RoHS	Rohs
Lifecycle	



Images are for reference only

Please submit RFQ for EP3C16U256C8N or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

EP3C16U256C8N is a field-programmable gate array (FPGA) chip from the Altera (now part of Intel) Cyclone III family.

Features

- It has a capacity of 16,608 logic elements (LEs).
- It has 256 embedded memory blocks (each block has 4.6 Kbits of memory).
- It has 24 embedded 18x18 multipliers.
- It operates at a maximum frequency of 300 MHz.
- It has 530 user I/O pins.
- It supports a wide range of I/O standards, including LVDS, LVTTTL, SSTL, and HSTL.

Application

- Digital signal processing
- High-speed data processing
- Industrial automation
- Video and image processing
- Automotive
- Medical equipment
- Aerospace and defense
- Telecommunications

Note: Level and body temperature defined by IPC/JEDEC J-STD-020

Level	Floor Life (out of bag) at Factory Ambient + 30°C/60% RH or as Stated
1	Unlimited at + 30°C/85% RH
2	1 year
2a	4 weeks
3	168 hours
4	72 hours
5	48 hours
5a	24 hours
6	Mandatory bake before use. After bake, must be reflowed within the time limit specified on the label.

CUSTOMER PART #: EP3C16U256C8N

MANUF. PART #: EP3C16U256C8N

QTY(EA): 714

DATE CODE: 1331

CUSTOMER PO#: RMA# 23000252

MANUFACTURER:
ALTERA INT

SEMICONDUCTOR GROUP

REEL/PACK

CUST PO.: RMA# 23000252

CUST PART: EP3C16U256C8N

VENDOR

ALTERA INT

PN: EP3C16U256C8N

QTY: 344 616

COO: KR

**CONS: 11
PACK: 01**

DATE CODE: 1331

RHC

TRANS: P2488550

RoHS Compliant

835264 - A01 - 0000

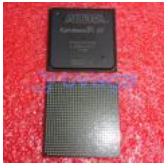
BD - ARWFWR - TL - BIN

M10003707 - 00005

FPGA Cyclone - II Family 15400 Cells 402

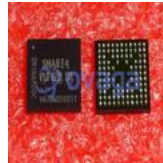


Related Products



[EP4CE55F29C8N](#)

Altera Corporation (Intel)
FBGA-780



[EPM240M100C5N](#)

Altera Corporation (Intel)
BGA-100



[EPM1270T144A5N](#)

Altera Corporation (Intel)
TQFP-144



[EPM570F256C5N](#)

Altera Corporation (Intel)
FBGA-256



[EP2C35F672C8N](#)

Altera Corporation (Intel)
FBGA-672



[EPM7128AETC100-10](#)

Altera Corporation (Intel)
TQFP-100



[EP2C35F484C7N](#)

Altera Corporation (Intel)
FBGA-484



[EP2C35F484I8N](#)

Altera Corporation (Intel)
FBGA-484