

FPGA Cyclone® IV E Family 15408 Cells 60nm Technology 1.2V 144-Pin EQFP EP

Manufacturers	Altera Corporation (Intel)
Package/Case	QFP-144
Product Type	Programmable Logic ICs
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for EP4CE15E22C8N or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

EP4CE15E22C8N is a part number for an FPGA (Field-Programmable Gate Array) from Intel's Cyclone IV E series. Let's break down the details:

Features

EP4CE15E22C8N: "EP" indicates that it's part of the Cyclone IV E family; "4C" indicates the generation of the Cyclone IV family; "E15" indicates the device density, with 15,000 logic elements (LEs); "E22" indicates the speed grade, with a maximum operating frequency of 22 MHz; "C8" indicates the package type, which is an 8x8 mm 256-pin FineLine BGA (Ball Grid Array) package; and "N" indicates the temperature grade, which is commercial grade (0°C to 85°C).

Application

15,000 logic elements (LEs) for implementing digital logic functions.

504 kilobits (Kb) of embedded memory for data storage.

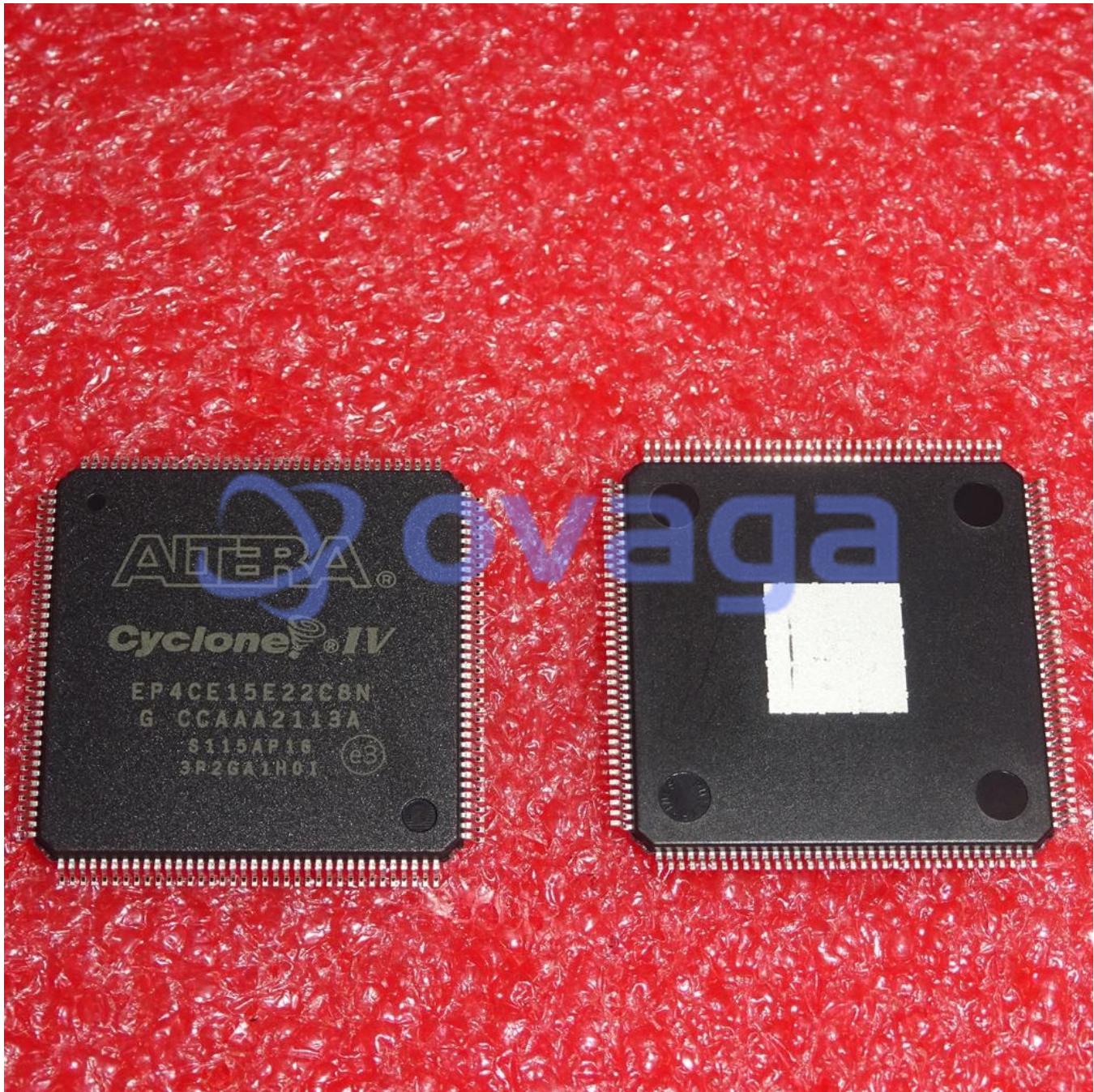
Up to 270 user I/O pins for interfacing with external devices.

Support for various I/O standards such as LVCMOS, LVTTTL, and more.

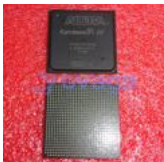
Built-in Phase-Locked Loops (PLLs) for clock generation and frequency multiplication.

On-chip configuration memory for storing configuration data.



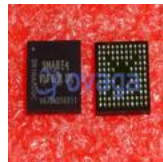


Related Products



[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](#)

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TQFP-100



[EP2C35F484C7N](#)

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