

FPGA Spartan®-3 Family 1M Gates 17280 Cells 630MHz 90nm Technology 1.2V



Images are for reference only

Manufacturers	AMD Xilinx, Inc
Package/Case	BGA-256
Product Type	Programmable Logic ICs
RoHS	
Lifecycle	

Please submit RFQ for XC3S1000-4FTG256C or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

XC3S1000-4FTG256C is a type of Field-Programmable Gate Array (FPGA) manufactured by Xilinx Inc. It belongs to the Spartan-3A FPGA family and is a low-cost, high-performance device that can be used in a wide range of applications.

Features

- It has 1,000,000 system gates and 68,416 logic cells.
- It has 1,296 Kb of Block RAM and 52 DSP slices.
- It operates at a maximum frequency of 400 MHz.
- It has a 4-layer metal process and is built using 90nm CMOS technology.
- It has a total of 259 user I/O pins and supports various I/O standards such as LVDS, SSTL, and HSTL.
- It has a JTAG boundary scan interface for testing and debugging.

Application

- Digital signal processing
- Communication systems
- Video and image processing
- Consumer electronics
- Industrial automation
- Automotive electronics
- Aerospace and defense systems



Related Products



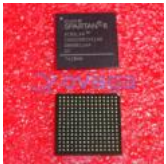
[XC18V01S020C](#)

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SOP-20



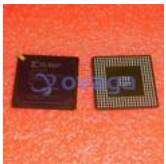
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[XC6SLX4-2CSG225C](#)

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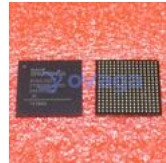
[XCV50-6BG256C](#)

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