

FPGA Spartan®-II Family 100K Gates 2700 Cells 263MHz 0.18um Technology 2.5V

Manufacturers	<a href="#">AMD Xilinx, Inc</a>
Package/Case	BGA256
Product Type	Programmable Logic ICs
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for XC2S100-5FG256I or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

XC2S100-5FG256I is a field-programmable gate array (FPGA) manufactured by Xilinx Inc. It is a member of the Spartan-II series and features 100,000 system gates, 96 user I/Os, and 48 macrocells. The "-5" in the part number refers to its maximum operating frequency of 5 MHz, and "FG256I" indicates its package type and pin count.

### Features

- 100,000 system gates
- 96 user I/Os
- 48 macrocells
- Maximum operating frequency of 5 MHz
- 3.3V power supply
- In-system programmable

### Application

- Ethernet switches and routers
- Digital signal processing (DSP) systems
- Video and image processing
- Automotive control systems
- Industrial automation and control
- Medical devices
- Consumer electronics, such as gaming consoles and home entertainment systems



## Related Products



### [XC18V01S020C](#)

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