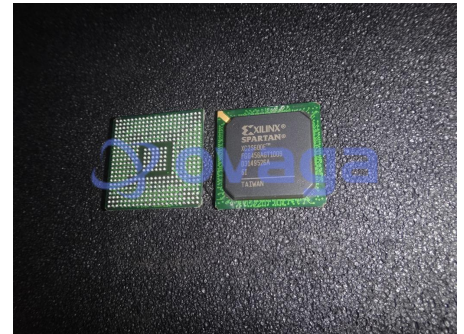


600,000 SYSTEM GATE 1.8V FPGA - NOT RECOMMENDED for NEW DESIGN

Manufacturers	<a href="#">AMD Xilinx, Inc</a>
Package/Case	BGA456
Product Type	Programmable Logic ICs
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for XC2S600E-6FGG456I or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

XC2S600E-6FGG456I is a model number for a specific FPGA (Field Programmable Gate Array) chip produced by Xilinx, which is a leading manufacturer of FPGAs. Here's what the various components of the part number mean:

### Features

**XC2S600E:** This is the model name of the chip, indicating that it belongs to the Spartan-II family of FPGAs produced by Xilinx.

**6:** This indicates the speed grade of the chip. A higher number indicates a faster chip.

**FGG456:** This is the package type, which indicates the physical form factor of the chip. In this case, FGG456 is a 456-ball grid array package.

**I:** This indicates the temperature range in which the chip can operate. In this case, it is the industrial temperature range.

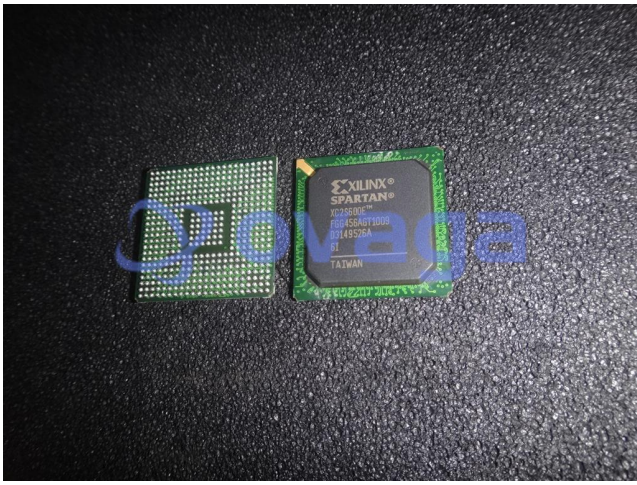
### Application

The XC2S600E-6FGG456I has 600,000 system gates, and 1.6 Mb of Block RAM. It is a low-power FPGA, designed to minimize power consumption while still providing high performance.

It supports a range of communication protocols such as PCI, SPI, and Ethernet.

It has an on-chip oscillator, JTAG programming support, and multiple power-saving modes.

The chip is designed to operate at a maximum clock frequency of 250 MHz.

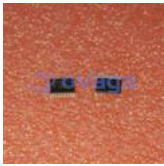


## Related Products



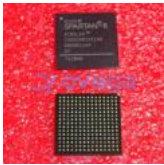
### [XC18V01S020C](#)

AMD Xilinx, Inc  
SOP-20



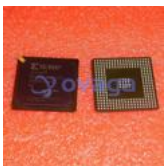
### [XCF04SV0G20C](#)

AMD Xilinx, Inc  
TSSOP20



### [XC6SLX4-2CSG225C](#)

AMD Xilinx, Inc  
BGA-225



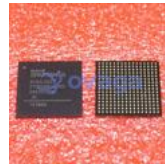
### [XCV50-6BG256C](#)

AMD Xilinx, Inc  
BGA256



### [XCF08PV0G48C](#)

AMD Xilinx, Inc  
TSOP-48



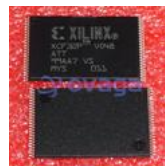
### [XC6SLX25-3FTG256C](#)

AMD Xilinx, Inc  
BGA-256



### [XC6SLX16-3CSG324C](#)

AMD Xilinx, Inc  
BGA-324



### [XCF32PVO48C](#)

AMD Xilinx, Inc  
TSOP48