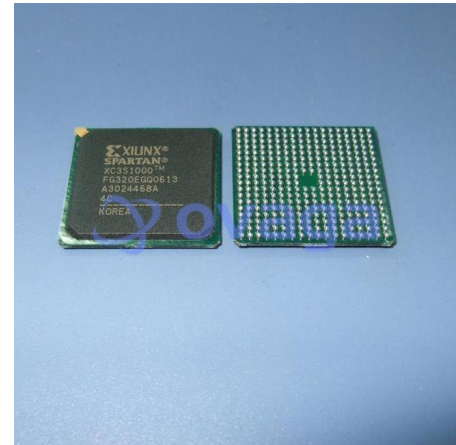


Spartan-3 FPGA Family : Complete Data Sheet

Manufacturers	AMD Xilinx, Inc
Package/Case	BGA320
Product Type	Programmable Logic ICs
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for XC3S1000-4FG320C or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

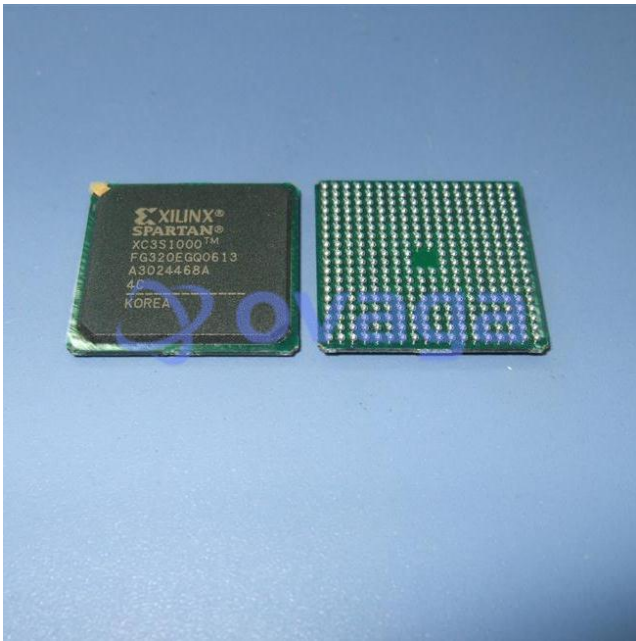
XC3S1000-4FG320C is a type of Field Programmable Gate Array (FPGA) manufactured by Xilinx Inc.

Features

- 1000K system gates
- 144 user I/O pins
- 18,432 logic cells
- 36 Digital Signal Processing (DSP) slices
- 4 Block RAMs with a total of 216 Kbits
- 2 clock management tiles
- Maximum operating frequency of 400 MHz
- 1.2V core voltage
- 40°C to +100°C temperature range

Application

- Digital signal processing
- Video and image processing
- Industrial control systems
- Medical equipment
- Aerospace and defense
- Automotive systems
- High-performance computing
- Network processing



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