

1M Gates 17280 Cells 630MHz 90nm Technology 1.2V

Manufacturers	<a href="#">AMD Xilinx, Inc</a>
Package/Case	BGA-456
Product Type	Programmable Logic ICs
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for XC3S1000-4FG456I or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

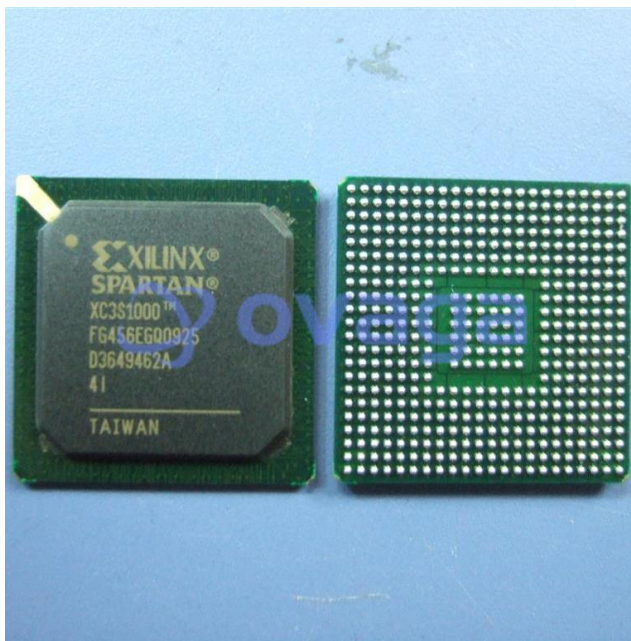
XC3S1000-4FG456I is a type of Field-Programmable Gate Array (FPGA) manufactured by Xilinx Inc. It belongs to the Spartan-3 family of FPGAs and is a low-cost, high-performance device.

### Features

- 1,031,616 system gates
- 76,800 logic cells
- 2,520 Kbits of block RAM
- 144 multipliers (18x18)
- Up to 622 user I/Os
- Up to 8 Digital Clock Managers (DCMs)
- Up to 4 Phase-Locked Loops (PLLs)

### Application

- Automotive electronics
- Industrial automation and control
- Medical imaging and diagnostics
- Aerospace and defense systems
- High-performance computing and networking
- Audio and video processing

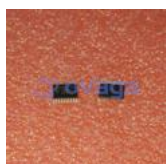


## Related Products



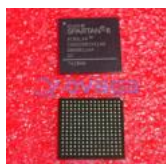
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AMD Xilinx, Inc  
SOP-20



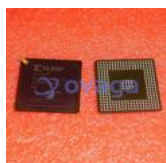
### [XCF04SV0G20C](#)

AMD Xilinx, Inc  
TSSOP20



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

AMD Xilinx, Inc  
BGA-225



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

AMD Xilinx, Inc  
BGA256



### [XCF08PV0G48C](#)

AMD Xilinx, Inc  
TSOP-48



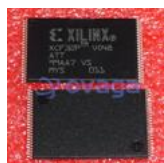
### [XC6SLX25-3FTG256C](#)

AMD Xilinx, Inc  
BGA-256



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

AMD Xilinx, Inc  
BGA-324



### [XCF32PVO48C](#)

AMD Xilinx, Inc  
TSOP48