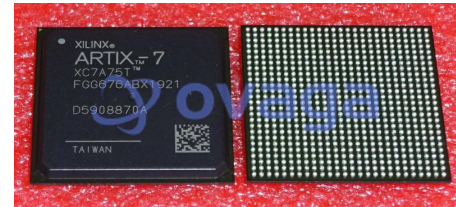


Artix-7 FPGAFPGA 300 I/O 676FBGA

Manufacturers	<a href="#">AMD Xilinx, Inc</a>
Package/Case	676-BGA
Product Type	Programmable Logic ICs
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for XC7A75T-2FGG676I or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

XC7A75T-2FGG676I is a specific model of Field-Programmable Gate Array (FPGA) manufactured by Xilinx, a leading provider of programmable logic devices.

### Features

It is based on the 28 nm high-performance, low-power process technology.

It has a total of 52,160 logic cells and 2100 KB of block RAM.

It supports up to 68 DSP slices, which are optimized for signal processing applications.

It features up to 4 high-speed transceivers that support data rates up to 6.6 Gb/s.

It has up to 500 user I/Os, which can be configured to support a wide range of interfaces.

It supports various configuration options, including Master SPI, Slave SPI, and JTAG.

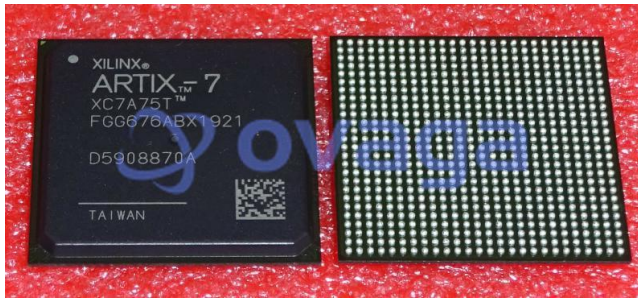
### Application

**Aerospace and Defense:** It can be used in satellite communication systems, radar systems, and military avionics.

**Industrial:** It can be used in industrial automation, motor control, and machine vision systems.

**Medical:** It can be used in medical imaging, patient monitoring, and medical equipment control systems.

**Wired and Wireless Communications:** It can be used in wired and wireless communication systems, such as routers, switches, and base stations.

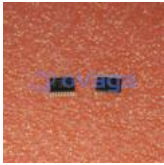


## Related Products



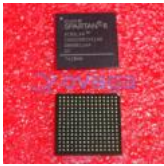
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AMD Xilinx, Inc  
SOP-20



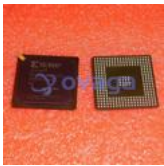
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AMD Xilinx, Inc  
TSSOP20



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

AMD Xilinx, Inc  
BGA-225



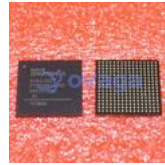
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AMD Xilinx, Inc  
BGA256



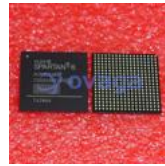
### [XCF08PV0G48C](#)

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TSOP-48



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

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BGA-256



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

AMD Xilinx, Inc  
BGA-324



### [XCF32PVO48C](#)

AMD Xilinx, Inc  
TSOP48