

Field Programmable Gate Arrays FPGA

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|---------------|---------------------------------|
| Manufacturers | AMD Xilinx, Inc |
| Package/Case | 100-TQFP |
| Product Type | Programmable Logic ICs |
| RoHS | |
| Lifecycle | |



Images are for reference only

Please submit RFQ for XC5204-6VQ100C or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

XC5204-6VQ100C is a product code for a field-programmable gate array (FPGA) manufactured by Xilinx, a leading provider of programmable logic devices. This specific FPGA belongs to the XC5200 family, which is designed for high-performance and high-density applications.

Features

It has a total of 2,048 logic cells that can be configured to implement complex digital circuits.

It has 80 input/output pins, which can be used for interfacing with external devices.

It has a maximum operating frequency of 100 MHz, which enables high-speed data processing.

It has 64 kilobits of embedded block RAM, which can be used for storing data and instructions.

It has various other features such as built-in digital signal processing (DSP) blocks, clock management resources, and a range of communication interfaces.

Application

It can be used in a variety of high-performance applications such as video processing, networking, and telecommunications.

It can be used in industrial control systems, medical equipment, and other embedded systems that require high-speed data processing and low power consumption.

It can be used in aerospace and defense applications where reliability and radiation tolerance are critical.



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