

Spartan and Spartan-XL Families Field Programmable Gate Arrays

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



Images are for reference only

Please submit RFQ for XCS05XL-4VQ100C or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

XCS05XL-4VQ100C is a field-programmable gate array (FPGA) device manufactured by Xilinx, which is a leading supplier of programmable logic devices (PLDs) and other semiconductor products. Here are some of its features:

Features

Family: Spartan XC9500XL

Number of logic cells: 5,000

Number of I/O pins: 96

Operating voltage: 3.3V

Package: 100-pin VQFP (Quad Flat Pack)

Speed grade: -4 (meaning that it can operate at a maximum frequency of 125MHz)

On-chip memory: 36K bits

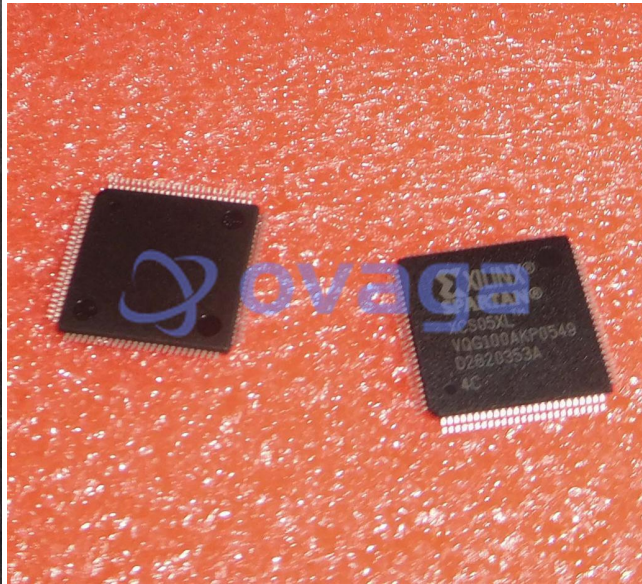
Application

Communications: it can be used in networking equipment, such as routers and switches, to perform packet processing, traffic management, and protocol conversion.

Industrial control: it can be used in programmable logic controllers (PLCs), which are used to control manufacturing processes, assembly lines, and other automated systems.

Consumer electronics: it can be used in multimedia devices, such as digital TVs, set-top boxes, and gaming consoles, to perform video and audio processing, encryption, and decryption.

Aerospace and defense: it can be used in avionics systems, radar systems, and military equipment, where high reliability and ruggedness are required.

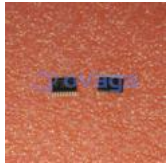


Related Products



[XCF18V01S020C](#)

AMD Xilinx, Inc
SOP-20



[XCF04SV0G20C](#)

AMD Xilinx, Inc
TSSOP20



[XC6SLX4-2CSG225C](#)

AMD Xilinx, Inc
BGA-225



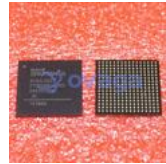
[XCV50-6BG256C](#)

AMD Xilinx, Inc
BGA256



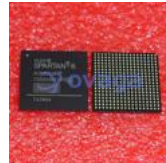
[XCF08PV0G48C](#)

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[XC6SLX16-3CSG324C](#)

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