

FPGA Spartan-3E Family 500K Gates 10476 Cells 572MHz 90nm (CMOS) Technology 1.2V

Manufacturers	AMD Xilinx, Inc
Package/Case	QFP-208
Product Type	Programmable Logic ICs
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for XC3S500E-4PQG208C or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

XC3S500E-4PQG208C is a field-programmable gate array (FPGA) manufactured by Xilinx.

Features

- It has 500,000 system gates and 1,006 user I/Os.
- It has 36,864 logic cells and 4,608 Kbits of block RAM.
- It operates at a maximum frequency of 400 MHz.
- It has a 1.2V core voltage and 2.5V or 3.3V I/O voltage options.
- It supports a variety of standard communication protocols, including Ethernet, USB, PCI Express, and HDMI.
- It has advanced features for security, power management, and system integration.

Application

- Communications:** It can be used to implement high-speed networking equipment, such as routers and switches.
- Video and Image Processing:** It can be used to implement image and video processing systems, such as video surveillance and multimedia devices.
- Industrial Control:** It can be used to implement control systems for industrial automation, such as programmable logic controllers (PLCs) and motor control.
- Aerospace and Defense:** It can be used in aerospace and defense applications, such as radar and signal processing systems.

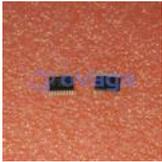


Related Products



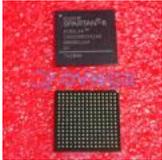
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AMD Xilinx, Inc
SOP-20



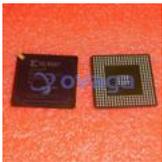
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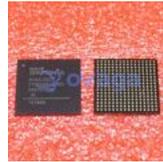
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