

CPLD CoolRunner XPLA3 Family 6K Gates 256 Macro Cells 154MHz 0.35um (CMOS) Technology 3.3V

Manufacturers	AMD Xilinx, Inc
Package/Case	144-LQFP
Product Type	Programmable Logic ICs
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for XCR3256XL-7TQG144C or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

XCR3256XL-7TQG144C is an FPGA (Field Programmable Gate Array) from the Xilinx CoolRunner™-II CPLD family.

Features

It has a total of 256 macrocells (logic blocks) that can be programmed to implement any digital logic function.

It offers a maximum of 312 user I/O pins.

It supports a wide range of interface standards including LVCMOS, LVTTTL, PCI, and others.

It operates on a 1.8V core voltage and supports 3.3V and 2.5V I/O standards.

It has a maximum operating frequency of 333MHz and can achieve up to 1.2 million system gates.

Application

It is commonly used in communication systems, such as routers, switches, and other network devices.

It is used in video processing and display applications.

It is also used in control and monitoring systems, including industrial automation and robotics.

It is used in medical equipment, military and aerospace applications, and automotive electronics.



Related Products



[XC18V01S020C](#)

AMD Xilinx, Inc
SOP-20



[XCF04SV0G20C](#)

AMD Xilinx, Inc
TSSOP20



[XC6SLX4-2CSG225C](#)

AMD Xilinx, Inc
BGA-225



[XCV50-6BG256C](#)

AMD Xilinx, Inc
BGA256



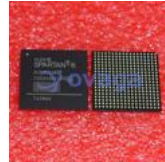
[XCF08PV0G48C](#)

AMD Xilinx, Inc
TSOP-48



[XC6SLX25-3FTG256C](#)

AMD Xilinx, Inc
BGA-256



[XC6SLX16-3CSG324C](#)

AMD Xilinx, Inc
BGA-324



[XCF32PVO48C](#)

AMD Xilinx, Inc
TSOP48