

FPGA Spartan<sup>®</sup>-6 LX Family 43661 Cells 45nm Technology 1.2V 676-Pin FBGA

Manufacturers	<a href="#">AMD Xilinx, Inc</a>
Package/Case	FBGA-676
Product Type	Communication & Networking ICs
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for XC6SLX45-3FGG676I or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

XC6SLX45-3FGG676I is a field-programmable gate array (FPGA) manufactured by Xilinx, which is a programmable logic device that allows for the implementation of digital circuits.

### Features

- Logic cells: 43,661
- Memory: 1,036 KB
- DSP slices: 180
- Maximum user I/Os: 500
- Maximum differential I/Os: 250
- Clock management tiles: 8
- PLLs: 6
- Maximum operating frequency: 450 MHz

### Application

- Communications:** The FPGA can be used to implement communication protocols and interfaces, such as Ethernet, PCI Express, and USB.
- Signal processing:** The DSP slices can be used for filtering, modulation/demodulation, and other signal processing tasks.
- Video and image processing:** The FPGA can be used for video and image processing tasks, such as encoding/decoding, scaling, and color conversion.
- Industrial control:** The FPGA can be used in industrial control systems, such as motor control and robotics.



**Related Products**



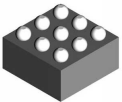
[XC2C64-5VQ44C](#)

AMD Xilinx, Inc  
QFP44



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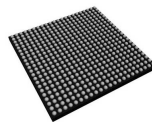
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