FPGA Stratix® II Family 60440 Cells 711.24MHz 90nm (CMOS) Technology 1.2V 1020Pin FC-FBGA

Manufacturers	Altera Corporation (Intel)
Package/Case	FBGA-1020
Product Type	Programmable Logic ICs
RoHS	Rohs
Lifecycle	

Images are for reference only

Please submit RFQ for EP2S60F1020I4N or Email to us: sales@ovaga.com We will contact you in 12 hours.   RFQ

General Description

EP2S60F1020I4N is a field-programmable gate array (FPGA) manufactured by Intel (formerly Altera).

Features

It has 60,000 logic elements (LEs) and 1.8 million bits of RAM

It operates at a maximum frequency of 550 MHz

It has up to 456 user I/Os, which can be configured as differential pairs

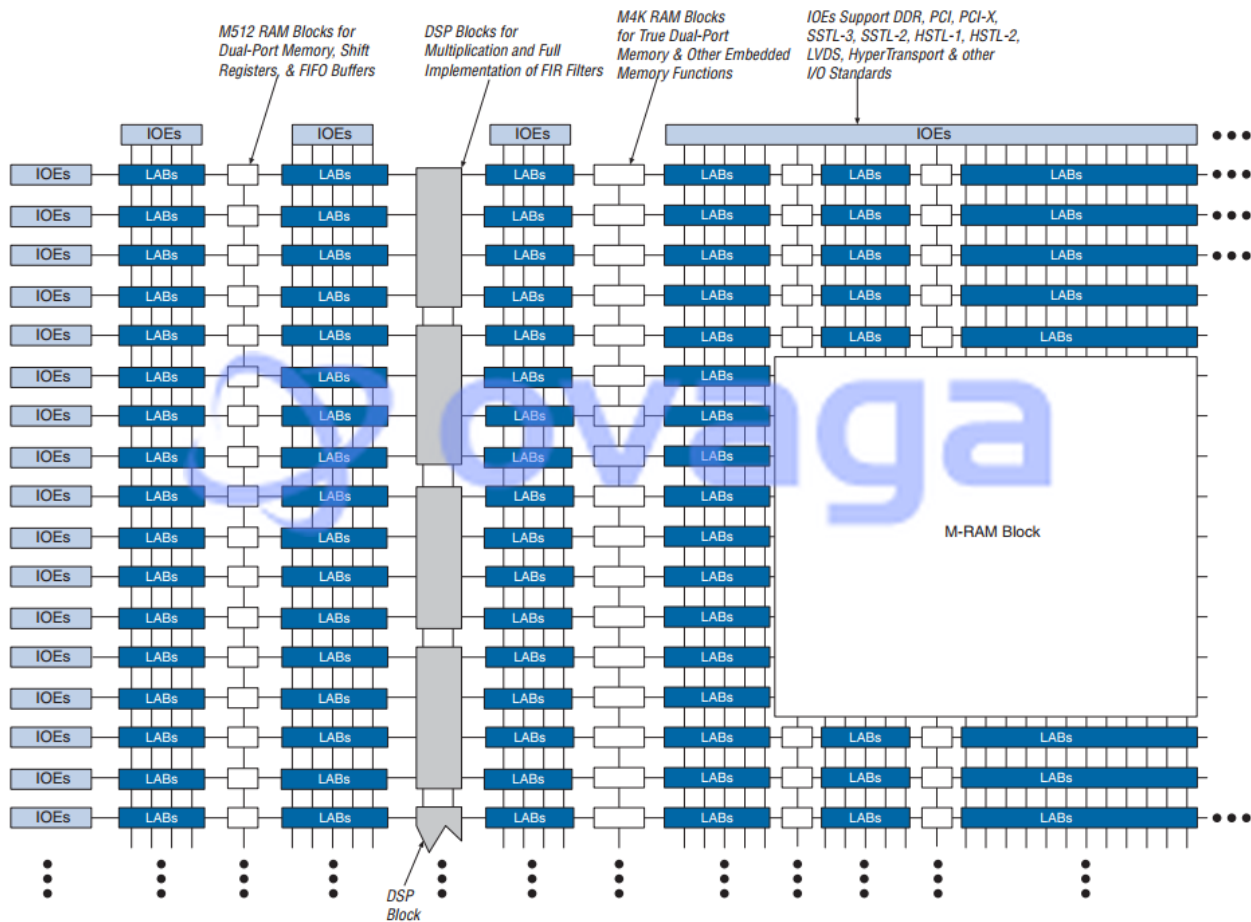It supports a range of I/O standards, including LVDS, PCI Express, and DDR3 memory

Application

EP2S60F1020I4N can be used in a variety of applications, including telecommunications, video processing, and industrial control systems.
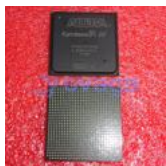
It can also be used in high-performance computing and networking applications, such as routers and switches.

Figure 2–1. Stratix II Block Diagram

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M512 RAM Blocks for Dual-Port Memory, Shift Registers, & FIFO Buffers

DSP Blocks for Multiplication and Full Implementation of FIR Filters

M4K RAM Blocks for True Dual-Port Memory & Other Embedded Memory Functions

IOEs Support DDR, PCI, PCI-X, SSTL-3, SSTL-2, HSTL-1, HSTL-2, LVDS, HyperTransport & other I/O Standards

M-RAM Block

DSP Block

Related Products

EP4CE55F29C8N

Altera Corporation (Intel)

FBGA-780

EPM240M100C5N

Altera Corporation (Intel)

BGA-100

EPM1270T144A5N

Altera Corporation (Intel)

TQFP-144

EPM570F256C5N

Altera Corporation (Intel)

FBGA-256

EP2C35F672C8N

Altera Corporation (Intel)

FBGA-672

EPM7128AETC100-10

Altera Corporation (Intel)

TQFP-100

EP2C35F484C7N

Altera Corporation (Intel)

FBGA-484

EP2C35F484I8N

Altera Corporation (Intel)

FBGA-484