Ovaga

EP2SGX30DF780I4N

Stratix II GX FPGA 30K FPGA-780

Manufacturers	Altera Corporation (Intel)
Package/Case	FBGA-780
Product Type	Programmable Logic ICs
RoHS	
Lifecycle	

Images are for reference only

Please submit RFQ for EP2SGX30DF780I4N or Email to us: sales@ovaga.com We will contact you in 12 hours.   RFQ

General Description

EP2SGX30DF780I4N is a specific model of field-programmable gate array (FPGA) manufactured by Intel Corporation (formerly Altera). It belongs to the Stratix II family of FPGAs and is based on 65nm process technology. The "EP2SGX30DF780I4N" part number specifies certain features and characteristics of this particular FPGA.

Features

FPGA density: 30,480 logic elements (LEs)

Embedded memory: 1,152 Kbit M9K embedded memory blocks

Maximum user I/O pins: 780

Transceivers: 4 high-speed transceivers supporting data rates up to 3.125 Gbps

Clock networks: Up to 708 user-programmable clock networks

DSP blocks: 384 digital signal processing (DSP) blocks

Configuration: Supports configuration using serial configuration devices (e.g., EPCS, EPCQ), JTAG, or PCI Express (PCIe) ×1 interface

Voltage: Operates at 1.2V core voltage and supports various I/O standards

Application

High-performance computing

Communications and networking equipment

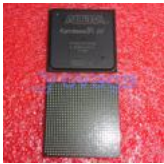Video and image processing

Industrial automation

Aerospace and defense systems

Test and measurement equipment

Medical imaging

Related Products

[EP4CE55F29C8N](#)

Altera Corporation (Intel)

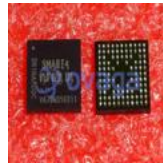FBGA-780

[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](#)

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FBGA-484