

FPGA - Field Programmable Gate Array FPGA - Stratix IV GX 7030 LABs 564 IOs

Manufacturers	<a href="#">Altera Corporation (Intel)</a>
Package/Case	FBGA-1152
Product Type	Programmable Logic ICs
RoHS	Rohs
Lifecycle	



Images are for reference only

Please submit RFQ for EP4SGX180FF35I3N or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

EP4SGX180FF35I3N is a model number of a field-programmable gate array (FPGA) developed by Intel (formerly Altera). It belongs to the Stratix IV family of FPGAs and is designed for high-performance computing applications.

## Features

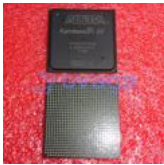
- 180,000 logic elements (LEs) with up to 1.6 million equivalent ASIC gates
- 604 embedded memory blocks (MBs) with up to 14.5 Mbits of total memory
- Up to 24 integrated transceivers with data rates of up to 8.5 Gbps
- PCI Express Gen2 and Gen3 hard IP blocks
- Support for high-speed serial interfaces like Serial RapidIO and XAUI
- High-speed parallel I/O support, including DDR3 and DDR2 SDRAM memory interfaces
- On-chip temperature and voltage monitoring sensors

## Application

- Xilinx Virtex-6 FPGA (e.g. XC6VLX760-1FFG1760C)
- Altera Stratix V FPGA (e.g. 5SGXEA7N2F45I3N)
- Microsemi ProASIC3 FPGA (e.g. A3P1000-2FG144I)
- LatticeECP3 FPGA (e.g. LFE3-150EA-8FN672C)

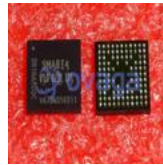


**Related Products**



[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