

**FPGA ACEX 1K Family 10K Gates 576 Cells 200MHz 0.22um  
Technology 2.5V 100-Pin TQFP**



Images are for reference only

[Inquiry](#)

<b>Manufacturer:</b>	<a href="#">Intel Corp</a>
<b>Package/Case:</b>	QFP
<b>Product Type:</b>	Programmable Logic ICs
<b>Lifecycle:</b>	Obsolete

## General Description

Altera® ACEX 1K devices provide a die-efficient, low-cost architecture by combining look-up table (LUT) architecture with EABs. LUT-based logic provides optimized performance and efficiency for data-path, register intensive, mathematical, or digital signal processing (DSP) designs, while EABs implement RAM, ROM, dual-port RAM, or first-in first-out (FIFO) functions. These elements make ACEX 1K suitable for complex logic functions and memory functions such as digital signal processing, wide data-path manipulation, data transformation and microcontrollers, as required in high-performance communications applications. Based on reconfigurable CMOS SRAM elements, the ACEX 1K architecture incorporates all features necessary to implement common gate array megafunctions, along with a high pin count to enable an effective interface with system components. The advanced process and the low voltage requirement of the 2.5-V core allow ACEX 1K devices to meet the requirements of low-cost, high-volume applications ranging from DSL modems to low-cost switches. The ability to reconfigure ACEX 1K devices enables complete testing prior to shipment and allows the designer to focus on simulation and design verification. ACEX 1K device reconfigurability eliminates inventory management for gate array designs and test vector generation for fault coverage.

## Recommended For You

<b>EPMB256AQC208-10N</b>	<b>EPCQ32ASI8N</b>	<b>EPCQ32SI8N</b>
Intel Corp	Intel Corp	Intel Corp
QFP208	SOP8	SOP8
<b>EPCQ64ASI16N</b>	<b>EPCQ16SI8N</b>	<b>EPC21I32</b>
Intel Corp	Intel Corp	Intel Corp
SOP16	SOP8	QFP
<b>EPM7128STC100-15N</b>	<b>EP1C6Q240I7N</b>	<b>EPCQ128SI16N</b>
Intel Corp	Intel Corp	Intel Corp
QFP100	QFP240	SOP16

**EPM7128SLC84-15N**

Intel Corp

PLCC

**EPC1213PC8**

Intel Corp

DIP8

**EP1K30TC144-3N**

Intel Corp

QFP

**EPCS1S18**

Intel Corp

SOP-8

**EPC1PI8N**

Intel Corp

DIP8

**EPC2LI20N**

Intel Corp

PLCC