


FPGA APEX 20K Family 60K Gates 2560 Cells 250MHz 0.22um
Technology 1.8V 240-Pin PQFP

Manufacturer:	Intel Corp
Package/Case:	QFP
Product Type:	Programmable Logic ICs
RoHS:	RoHS Compliant/Lead free 
Lifecycle:	Obsolete



Images are for reference only

[Inquiry](#)

General Description

APEX™ 20K devices are the first PLDs designed with the MultiCore architecture, which combines the strengths of LUT-based and product-term-based devices with an enhanced memory structure. LUT-based logic provides optimized performance and efficiency for data-path, register-intensive, mathematical, or digital signal processing (DSP) designs. Product-term-based logic is optimized for complex combinatorial paths, such as complex state machines. LUT- and product-term-based logic combined with memory functions and a wide variety of MegaCore and AMPP functions make the APEX 20K device architecture uniquely suited for system-on-a-programmable-chip designs. Applications historically requiring a combination of LUT-, product-term-, and memory-based devices can now be integrated into one APEX 20K device.



Recommended For You

EPMB256AQC208-10N

Intel Corp
QFP208

EPCQ32ASI8N

Intel Corp
SOP8

EPCQ32SI8N

Intel Corp
SOP8

EPCQ64ASI16N

Intel Corp

SOP16

EPCQ16SI8N

Intel Corp

SOP8

EPC2T132

Intel Corp

QFP

EPM7128STC100-15N

Intel Corp

QFP100

EP1C6Q240I7N

Intel Corp

QFP240

EPCQ128SI16N

Intel Corp

SOP16

EPM7128SLC84-15N

Intel Corp

PLCC

EPC1213PC8

Intel Corp

DIP8

EP1K30TC144-3N

Intel Corp

QFP

EPCS1SI8

Intel Corp

SOP-8

EPC1PI8N

Intel Corp

DIP8

EPC2LI20N

Intel Corp

PLCC