FPGA Configuration Flash Memory

Manufacturer:	Intel Corp
Package/Case:	SOP8
Product Type:	Programmable Logic ICs
RoHS:	RoHS Compliant/Lead free
Lifecycle:	Active

EPCQ16ASI8N Image

Images are for reference only
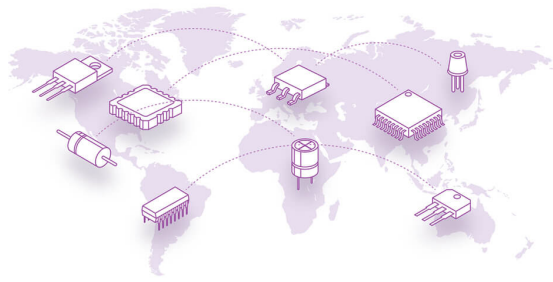
Inquiry

General Description

Intel Serial or quad-serial FPGA configuration in devices that support active serial (AS) x1 or AS x41 configuration schemes. Reprogrammable memory more than 100,000 program-erase cycles. Write protection support for memory sectors using status register bits. Fast read, extended dual input fast read, and extended quad input fast read of the entire memory using a single operation code. Reprogrammable with an external microprocessor using the SRunner software driver. In-system programming (ISP) support with the SRunner software driver. ISP support with Intel® FPGA Download Cable II, Intel® FPGA Download Cable, or Intel® FPGA Ethernet Cable. By default, the memory array is erased and the bits are set to 1.

The EPCQ4A, EPCQ16A, and EPCQ32A devices are available in 8-pin SOIC packages. The EPCQ64A and EPCQ128A devices are available in 16-pin SOIC packages.

EPCQ-A devices support active and standby power modes. When the nCS signal is low, the device is enabled and is in active power mode. The FPGA is configured while the EPCQ-A device is in active power mode. When the nCS signal is high, the device is disabled but remains in active power mode until all internal cycles are completed, such as write or erase operations. The EPCQ-A device then goes into standby power mode. The ICC1 and ICC0 parameters list the VCC supply current when the device is in active and standby power modes.

Key Features

EPCQ-A devices offer the following features:

Recommended For You

EPM3256AQC208-10N	EPCQ32ASI8N	EPCQ32SI8N
Intel Corp	Intel Corp	Intel Corp
QFP208	SOP8	SOP8

EPCQ64ASI16N	EPCQ16SI8N	EPC2TI32
Intel Corp	Intel Corp	Intel Corp
SOP16	SOP8	QFP

EPM7128STC100-15N	EP1C6Q240I7N	EPCQ128SI16N
Intel Corp	Intel Corp	Intel Corp
QFP100	QFP240	SOP16

EPM7128SLC84-15N	EPC1213PC8	EP1K30TC144-3N
Intel Corp	Intel Corp	Intel Corp
PLCC	DIP8	QFP

EPCS1SI8	EPC1PI8N	EPC2LI20N
Intel Corp	Intel Corp	Intel Corp
SOP-8	DIP8	PLCC

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