FPGA Configuration Flash Memory

Manufacturer:	Intel Corp
Package/Case:	SOP16
Product Type:	Programmable Logic ICs
RoHS:	RoHS Compliant/Lead free
Lifecycle:	Active
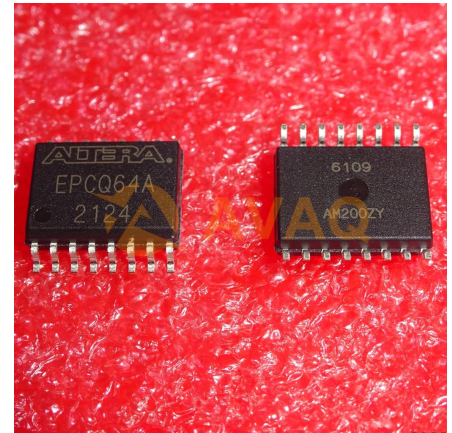
Images are for reference only

<div>Inquiry</div>

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:
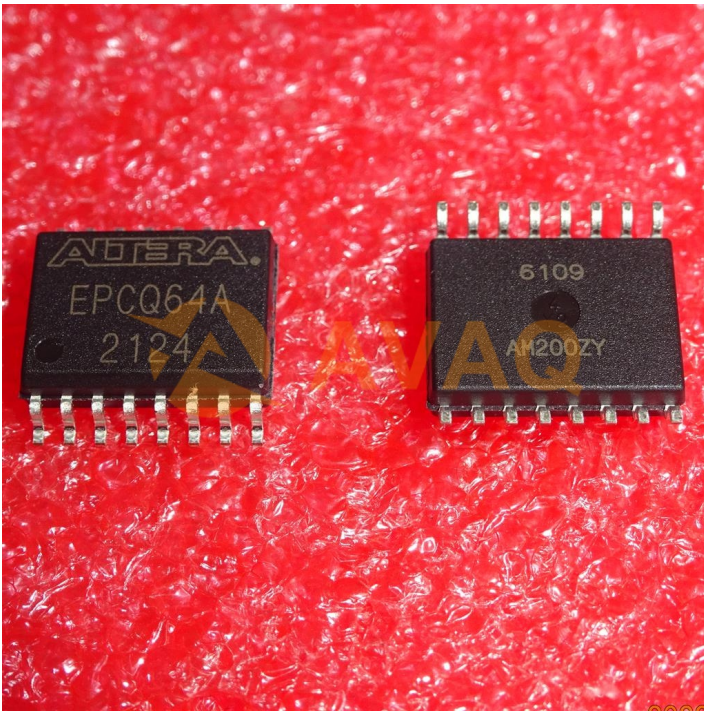
Recommended For You

EPM3256AQC208-10N

Intel Corp

QFP208

EPCQ32ASI8N

Intel Corp

SOP8

EPCQ32SI8N

Intel Corp

SOP8

EPCQ16SI8N

Intel Corp

SOP8

EPC2TI32

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

EPF10K50EFC484-2

Intel Corp

BGA