
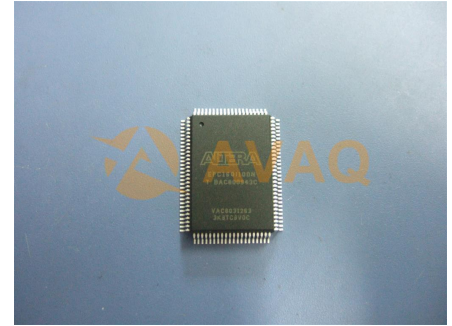


Enhanced Configuration Flash

Manufacturer:	Intel Corp
Package/Case:	QFP100
Product Type:	Programmable Logic ICs
RoHS:	RoHS Compliant/Lead free 
Lifecycle:	Obsolete



Images are for reference only

[Inquiry](#)

General Description

EPC16QI100N is a part number from the EPC (Efficient Power Conversion) family of devices. It refers to a specific power management integrated circuit (IC) designed for applications requiring high-frequency switching, such as in power electronics and DC-DC converters. Here is some information about EPC16QI100N:

Key Features

High-frequency operation: EPC16QI100N is designed to operate at high frequencies, typically in the range of several hundred kilohertz to several megahertz, making it suitable for high-speed switching applications.

High-efficiency performance: EPC16QI100N is optimized for high-efficiency power conversion, which can result in reduced power losses and improved overall system efficiency.

Low on-resistance: EPC16QI100N has low on-resistance, which minimizes conduction losses and enhances its performance in high-power applications.

Compact size: EPC16QI100N comes in a compact package, which makes it suitable for space-constrained applications.

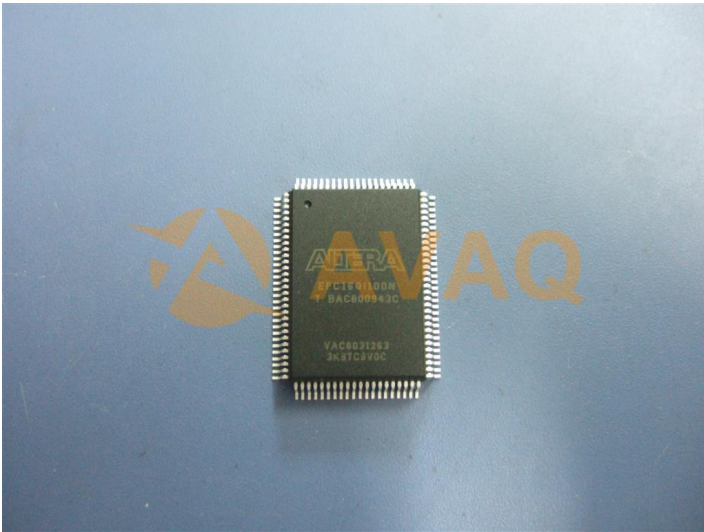
Advanced protection features: EPC16QI100N may have built-in protection features such as over-voltage protection, over-current protection, and thermal protection, which help improve the reliability and safety of the overall system.

Application

DC-DC converters: EPC16QI100N can be used in various DC-DC converter topologies, such as buck converters, boost converters, and buck-boost converters, to efficiently convert and regulate voltage levels in applications such as power supplies, LED lighting, motor drives, and electric vehicles.

Wireless power transfer: EPC16QI100N can be used in wireless power transfer systems for applications like wireless charging of electronic devices, electric toothbrushes, and medical implants.

Point-of-load (POL) converters: EPC16QI100N can be used in POL converters, which are commonly used in distributed power architectures for powering microprocessors, FPGAs, and other power-hungry devices in data centers, telecommunications, and industrial applications.



Recommended For You

EPMB256AQC208-10N

Intel Corp

QFP208

EPCQ32ASI8N

Intel Corp

SOP8

EPCQ32SI8N

Intel Corp

SOP8

EPCQ64ASI16N

Intel Corp

SOP16

EPCQ16SI8N

Intel Corp

SOP8

EPC21I32

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