![Chipsmall logo]

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!

Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832
Email & Skype: info@chipsmall.com Web: www.chipsmall.com
Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China

EasyPIC FUSION v7 ETH MCUcard with PIC32MZ2048ECH144

PID: MIKROE-2558

Weight: 30 g

This particular EasyPIC FUSION v7 ETH MCUcard contains
the PIC32MZ2048ECH144 microcontroller with on-chip peripherals and is a great choice for
both beginners and professionals. After testing and building the final program, this card can also
be taken out of the board socket and used in your final device.

MCU card features

PIC32MZ2048ECH144 - a 32-bit MCU with 512 KB of SRAM and 2MB of Flash, 200MHz
maximum frequency, an internal oscillator, audio and graphic interfaces, Ethernet and more.

The MCU also contains an internal RTC (Real Time Clock), a 10-bit ADC and a Crypto Engine
with an RNG for data encryption/decryption and authentication (AES, 3DES, SHA, MD5, and
HMAC), etc.

32.768KHz crystal — Provides external clock waveform for RTCC module.

24MHz oscillator — Provides the clock frequency for PIC32MZ2048ECH144 MCU.

25MHz crystal — Provides clock for external Ethernet module.

Ethernet transceiver —This MCU card contains single-chip Ethernet physical (PHY) layer transceiver which provides additional Ethernet functionality to the PIC32MZ2048ECH144 controller. Compliant with IEEE802.3/802.3u (Fast Ethernet) and with ISO 802-3/IEEE 802.3 (10BASE-T).

Specification

Product Type	PIC32
MCU	PIC32MZ2048ECH144
MCU speed	200MHz
Power Supply	3.3V
Compatibility	EasyPIC Fusion v7