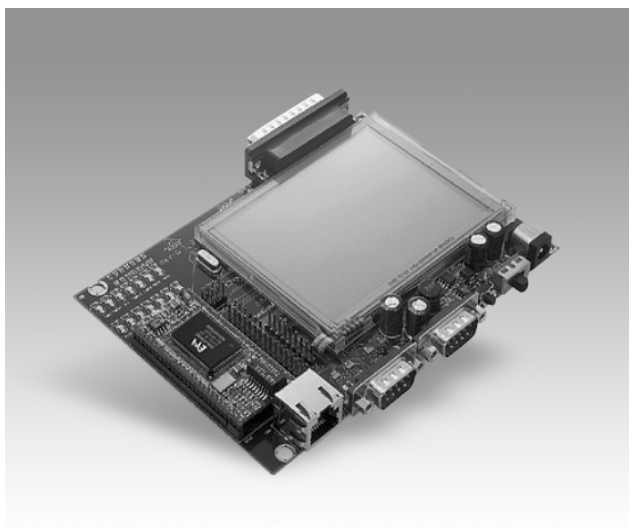


# EVA-X1610C-DK

## EVA-X1610C Development Kit



### Introduction

Connecting your product to the internet? It could not be easier than with EVA-X1610, which includes all Internet connection possibilities. The EVA-X1610C is designed based on a 16-bit, RISC architecture high performance microprocessor with 80C186 compatibility microprocessor; it also integrates the function of the SDRAM controller, non-multiplexed address bus, interrupt controller, DMA controller, timers, watchdog timer, FIFO UART serial ports, programmable I/O (PIO) pins and fast Ethernet MAC (Media Access Controller) on a chip.

EVA-X1610C provides two types of development kits; you can choose one or both, according to your requirements.

- EVA-X1610C-DK: EVA-X1610C development kit without LCD panel
- EVA-X1610C-DK1: EVA-X1610C development kit with LCD panel

The package contents of EVA-X1610C-DK and EVA-X1610C-DK1 are listed below:

#### Hardware

- 186-based Ethernet-enabled System On Module (EVA-SOM1610)
- EVA evaluation board without LCD panel. (EVA-X1610C-DK only)
- EVA evaluation board with LCD panel. (EVA-X1610C-DK1 only)
- 3-wire RS-232 cable
- Parallel cable for JTAG
- AC adapter
- Loop back communication connector x 2 pcs
- Plastic stud x 4 pcs

#### Software

- Paradigm C++ Advantech edition
  - ROM monitor demo utility
  - NexGen TCP/IP stacks
    - NexGenOS
    - NexGenIP
    - NexGenBOOT
    - NexGenRESOLV
    - NexGenMAIL

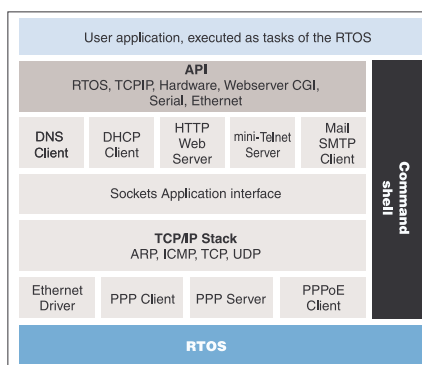
### Features

- EVA-SOM1610 and EVA-X1610C-DK Carrier Board
- 80C186 compatible, 16-Bit embedded microcontroller
- 512 KB Flash and 512 KB SDRAM (up to 1 M)
- Four-way programmable chip select logic for memory or I/O bus cycle decoder
- Paradigm C++ Advantech edition
  - ROM monitor demo utility
  - NexGen TCP/IP stacks

- NexGenWEB
- NexGenPPPoE
- NexGenPPP

- EVA Software Development Kit
  - EVA Hardware Interface
  - EVA Utilities (CPU BUS, GPIO, Reset)
  - EVA ROM Monitor
- Others (ROM Monitor PC suite demo source codes)

- Graph Development CD (EVA-X1610C-DK1 only)
  - Sample programs
  - NexGenGRAPH
  - LCD controller driver
  - Touch screen controller driver
- Paradigm IDE (Integrated Development Environment) 30-day evaluation kit package



### Ordering Information

- EVA-X1610-DK**  
EVA-X1610C Development Kit
- EVA-X1610C-DK1**  
EVA-X1610C Development Kit with LCD display

#### System on Chip

Note: All specifications are subject to change without notice.