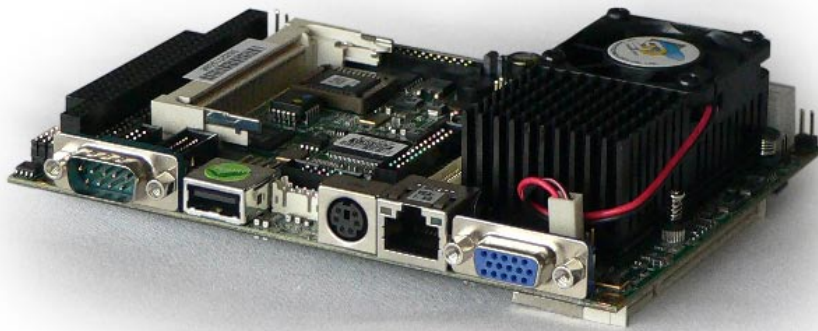


## KEY FEATURES

- ▶ Low power VIA V4 C7 processor onboard
- ▶ VIA CX700+ITE8888G chipset
- ▶ DualView with different content & resolution
- ▶ 4 COM and 3 USB 2.0 ports
- ▶ PC/104 and Mini PCI socket for expansionBoth
- ▶ +5V or +12V only single voltage DC-in supported



## MAGNUM C710 SINGLE BOARD COMPUTER

The Blue Chip Technology Magnum C710 3.5 inch single board computer is based on Via C7 1.5GHz processor and the CX700M chipset. It supports up to 1GB of high bandwidth DDR2 533 memory and features robust shared memory architecture and is also equipped with a CompactFlash™ Type II Interface. The CX700M features the VIA UniChrome™ Pro II Integrated Graphics Processor (IGP) and DualView ensuring good support for multimedia and graphics based applications.

A combination of one Mini-PCI slot and one PC104 ISA interface supports a range of expansion options using standard add-on cards. Featuring 4 COM ports and 3 USB 2.0 ports, the Magnum C710 is ideal for rich peripheral based embedded applications.

Other standard I/O features, including Fast Ethernet, Audio, SATA-150, Watchdog Timer, SMBus, and general purpose digital I/O make Magnum C710 single board computer the ideal solution for industrial embedded applications.

## System

- ▶ VIA V4 compliant C7 processor onboard
- ▶ Chipset VIA CX700M+ITE8888G
- ▶ BIOS Phoenix-Award 4Mbit with RPL/PXE LAN Boot ROM, SmartView and customer CMOS backup

## Local Storage

- ▶ System Memory 1 x 200-pin DDR2 SODIMM max. up to 1GB
- ▶ SSD CompactFlash™ type-II socket

## Operating System Support

- ▶ Windows XP, Windows XP Embedded
- ▶ Enquire with sales for further details on Linux, CE, VxWorks, QNX

## Local Area Network

- ▶ Realtek RTL8139DL Fast Ethernet controller

## Expansion

- ▶ Expansion Interface Mini PCI type-III socket for PCI bus expansion PC/104 for ISA Bus expansion

## Enhanced IO

- ▶ 1 x SATA-150 IDE and 1 x PATA-100
- ▶ 1 x PS/2 K/B + MS
- ▶ 4 x COM (1 x RS-232/422/485 & 3xRS-232)
- ▶ 1 x LPT
- ▶ 3 USB 2.0 ports via box-header for wiring solution
- ▶ SMBus System Management Bus for advanced monitoring/control interface
- ▶ Digital I/O 8 channel IN and 8 channel OUT

## Display/Audio

- ▶ HD audio for 2 channels output
- ▶ Integrated in VIA CX700M chipset
- ▶ Up to 128MB frame buffer sharing system memory
- ▶ Resolution  
Single display mode:  
CRT: 2048 x 1536; LVDS LCD: 1600 x 1200  
DualView mode:  
CRT: 2048 x 1536; LVDS LCD: 1600 x 1200
- ▶ Output Interface:  
CRT connector for DAC output  
LVDS LCD via 40-pin connector and 7-pin Inverter connector

## Power

- ▶ Both +5V or +12V only single voltage DC-in supported

## System Management

- ▶ Battery Lithium 3V/196 mA
- ▶ Watchdog Timer, reset supported; 255 level

## Environmentals/Mechanicals

- ▶ Dimensions: 146 x 104 mm
- ▶ Operating Temperature: 0~60°C, operation
- ▶ Operation Humidity: 10% ~ 95% relative humidity, non-condensing