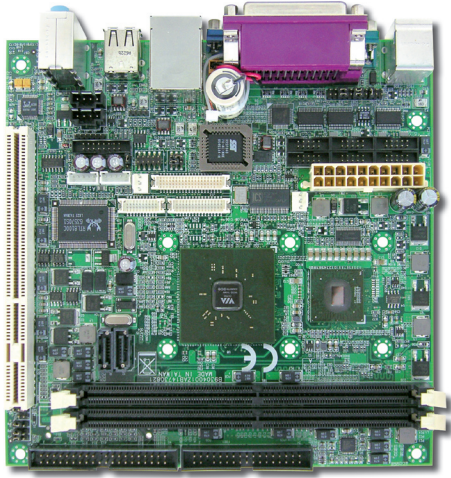# WADE-6010

Optimized VIA C7 based Mini-ITX Board with Dual Video Outputs, Six USB Ports and Six COM Ports

Feature

- Built with VIA C7 1.5GHz processor
- Error Correction Checking DDR2 memory
- Support dual independent displays by VGA/LVDS, VGA/DVI, LVDS/DVI
- One CompactFlash socket and one PCI slot
- Six COM ports interface with industrial auto mation devices

The WADE-6010 is a standard mini-ITX embedded board optimized with the VIA C7 processor. It provides the necessary computing power and peripheral support to drive a wide range of applications. Its efficient heat dissipation makes WADE-6010 the perfect choice space-constrained chasses. Six USB ports and six COM ports make it a snap to connect peripherals for functional expansion.

Specification

System

CPU	VIA C7 1.5GHz processor
FSB	400 MHz
BIOS	Award BIOS
System Chipset	VIA CX700
System Memory	Up to 2GB DDR2 400 SDRAM on dual 240-pin DIMM socket, support ECC
Storage	Support one EIDE channel with Ultra DMA 100/66/33 and dual SATA 300 drives
SSD	1 x Type II CF socket on EIDE channel
Watchdog Timer	Programmable via software from 30 sec. to 250 sec.
H/W Status Monitor	System monitor (fan, temperature, voltage)
GPIO	N/A
Expansion	1 x PCI expansion slot supports up to three PCI devices via riser card

I/O

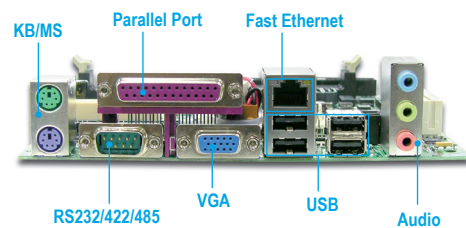|	
MIO	5 x RS-232, 1 x Selectable RS232/422/485, 1 x LPT, 1 x FDD, 1 x K/B, 1 x Mouse
IrDA	IrDA 1.0
USB	4 x USB 2.0 ports and 2 x USB 2.0 with header
Audio Codec	HDA 2.1 CH 3D Audio Interface
Audio Interface	Mic in, CD Audio in, Line out
Ethernet Interface	Single Fast Ethernet port (project based Gigabit Ethernet upgradeable)

Display

Chipset	VIA CX700 integrated graphic controller
Display Memory	Share system memory up to 128MB
Resolution	CRT mode: 1920 x 1440 LCD/Simultaneous mode: 1600 x 1200
VGA/LCD Interface	Support CRT LVDS, DVI & DVO interfaces, and dual display via CRT & LVDS or CRT & DVI interfaces
LVDS	Dual channel 24-bit LVDS, Single channel 18-bit LVDS

Mechanical & Environmental

Power Requirment	TBA
Operating Temperature	0~40°C
Operating Humidity	5%~90% relative humidity, noncondensing
Size (L x W)	6.69" x 6.69" (170 mm x 170 mm)
Weight	0.94 lbs (0.43 Kg)

Rear I/O

Ordering Information

- **WADE-6010**
  VIA C7 1.5GHz processor with DDR2 SDRAM, VGA/Panel, Dual display, LAN and Audio