WADE-8075

Leading Intel® Atom™ D525 1.8GHz Processor based Mini-ITX with DC12V input, DDR3 SDRAM, Dual display, Dual Gigabit Ethernet, Three SATA, Four COM and Six USB ports

FEATURES

- Intel® Atom™ D525 1.8GHz Processor
- Intel® ICH8M Chipset
- Two 204-Pin SO-DIMMs support single channel DDR3 SDRAM up to 4GB
- Dual Display by VGA / LVDS(24bits)
- One PCI-Express x 1, one PCI expansion slot and one Mini-PCIe socket (with USB + PCIEx1 signal)
- Three RS-232 ports and one RS232/422/485 port

The WADE-8075 built with Intel® ICH8M chipset and takes advantage of Intel® ATOM™ D525 processor technologies that can support DDR3 memory, Dual Gigabit Ethernet ports, one expansion PCI-Express x1 slot, one PCI slot and one Mini PCI socket. WADE-8075 is the ideal platform for POS, Lottery, Medical, Gaming, high resolution digital signage, surveillance security monitoring, and Kiosk applications.

SYSTEM

CPU	Intel® Atom™ D525 processor
DMI	4.8 GT/s-6.4 GT/s (Full-Duplex)
BIOS	AMI uEFI BIOS (SPI ROM)
System Chipset	Intel® ICH8M
System Memory	Two 204-Pin SO-DIMM support single channel DDR3 SDRAM up to 4GB
Storage	3 x Serial ATA connector high-speed data transfers at up to 3Gb/s
SSD	One compact flash
Watchdog Timer	Programmable via S/W from 1sec. ~ 255min.
H/W Monitor	Monitoring Temperature, Voltage, and cooling fan status Auto throttling control when CPU overheats
GPIO	Onboard programmable 16-bit Digital I/Os(8x In/Out)
Expansion	- One PCI slot and One PCI-Ex1 slot - One Mini-PCIE slot

I/O

MIO	- 2 x RS232 5V/12V selectable - 1 x RS232 5V/12V selectable, with header - 1 x RS232/422/485 5V/12V selectable - 1x KB/MS with header
IrDA	N/A
USB	4 x USB 2.0 ports and 2 x USB 2.0 with header
Audio Interface	Mic-in, Line-in/out, Line out with header
Ethernet Interface	Dual Gigabit Ethernet(RTL8111D*2)

DISPLAY

Chipset	Intel® ICH8M
Display Memory	Intel® DVMT
Resolution	- Analog Display: Up to 2048 x 1536 - Digital LVDS: Up to 1280*1024
LVDS	- Dual Channel 24-bit

MECHANICAL & ENVIRONMENTAL

Power Requirement	TBD
Operation Temperature	0~60°C
Operating Humidity	5~95% non-condensing
Size (L x W)	6.69″ x 6.69″ (170mm x 170mm)
Weight	0.95lbs (0.43 Kg)

REAR I/O

RS232/422/485 · RS232 · Gigabit Ethernet · Audio · DC · VGA · USB

SOLDER SIDE

Mini-PCIE socket
Compact flash socket
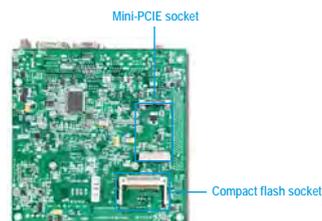
ORDERING GUIDE

- **WADE-8075**

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