AIS-I7514

Leading Intel® Core 2 Duo processor based
Mini-ITX board with Dual Display and One GbE



The AIS-I7514 is an advanced mini-ITX embedded system board (ESB) that utilizes the Intel® Core 2 Quad processor.
With its Mini-PCI slot, AIS-I7514 offers an extra wireless LAN card which is suitable for Kiosk applications. It also includes VGA & DVI outputs that can operate simultaneously, for digital signage solutions. In terms of expandability, the AIS-I7514 offers two PCI slots making this board more flexible in case additional solutions are desired.

Features

- **Intel Core 2 Quad Processor**
- **Intel Q965 GMCH Chipset**
- **Dual Display by VGA/DVI**
- **One GbE LAN port, one PCI and one Mini-PCI slot**
- **Max. four COM and six USB 2.0 ports**

Specification

System Specification

Processor	: Intel® Core 2 Quad / Core 2 Duo and Pentium® 4/Celeron® D processor
BIOS	: Award BIOS
System Chipset	: Intel® Q965 GMCH & 82801HB ICH8DO
System Memory	: 2 x 240-pin dual channel DDR2 SDRAM DIMM 533/667/800 MHz supports up to 4 GB
Storage	: 4x Serial ATA connectors with high-speed data transfers (up to 3 Gb/s)
Watchdog Timer	: Reset; 1 sec.~255 min. and 1 sec. or 1 min./step
H/W Status Monitor	: Monitors system temprature, voltage, and cooling fan. Auto throttling control when CPU overheats
GPIO	: On-board programmable 8-bit Digital I/O interface
Expansion	:1 x PCI slot; 1 x Mini-PCI

I/O Connectors

MIO	4 x RS-232, 1 x K/B, 1 x Mouse, 1 x GbE
IrDA	N/A
USB	2 x USB 2.0 ports and 4 x USB 2.0 with header
Audio Interface	Mic in, Line in, Line out
Ethernet Interface	IEEE 802.3 10/100/1000BASE-T Gigabit Ethernet compliant

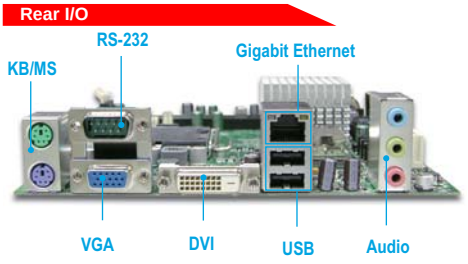
Ethernet Specification

LAN Controller	: Realtek RTL8100c Chipset, 10/100 Mbps (Optional:Realtek 8110cs, Giga LAN)

Mechanical and Environment

Power Requirment	+5V@5.1A; +12V(CPU)@2.8A; +12V(system) @0.7A; +3.3V@4.4A
Operating Temperature	0~55°C
Operating Humidity	0%~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



Display Specification

Chipset	Intel®Q965 GMCH Integrated GMA 3000 Graphics device
Display Memory	Intel®DVMT 4.0 supports up to 384 MB video memory
Resolution	Analog Display : Up to 2048 x 1536 (QXGA) Digital DVI Display : Up to 1600 x 1200 (UXGA)
VGA/LCD Interface	Intel®Graphics Gen4 Media Accelerator GMA 3000. Supports widescreen LCD displays and accelerated DirectX* 9.0c
DVI	DVI-D interface

Ordering Information

- AIS-I7514
  Intel Core™ 2 Quad / Core 2 Duo and Pentium4 / Celeron D processors Main Board with VGA, Audio, GbE LANs, 6 USB 2.0
- EZCool
  Compact 1U active heatsink suitable for Intel Core 2 Duo processor
- AIS-581R/582R
  One/Two slots riser card
- AIS-B6901960
  1 port COM cable with bracket
- AIS-B6901970
  2 ports USB cable with bracket

*All Product specifications are subject to change without notice.

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