ARK-RI2150L

Fanless Intelligent Video Controller



Features

- All-in-One x86-based Intelligent and Industrial Platform with Intel® Core™ i7 processors + Intel QM77 PCH
- 1 x DDR3/DDR3L, SO-DIMM supports up to 8 GB
- Supports up to 2 x GbE, 2 x USB 3.0, 2 x USB 2.0 and 2 x COMs ports
- Supports 1 x internal mSATA socket
- Supports Intel AMT8.0
- Integrate video capture, analysis
- Feature-rich Protocol, support .Net, c/c++, Java, VB
- Supports VMS/CMS and SDK for AP software integration
- Power saving mode and fanless design
- Supports UHF RFID Tag Detection (Optional)

WebAccess/IVS

Introduction

ARK-RI2150L is a fan-less intelligent video controller powered by Intel® 3rd Generation Core i7-3517UE Dual Core 1.7 GHz processor, Intel QM77 express chipset and supports Intel AMT8.0 management engine interface. It also support power saving mode, fanless design. With changeable embedded modules and feature-rich protocol, ARK-RI2150L creates a high-performance open platform for easy integration and development in different applications. With Advantech® RFID module, ARK-RI2150L is an intelligent RFID controller and enables users to deploy manageable, easy-to-install, high-performance solutions.

Specifications

Processor System

CPU	Intel ULV Core i7 3517UE
Max. Speed	Dual Core 1.7 GHz (Max Turbo Frequency 2.8 GHz)
L3 Cache	4 MB
System Chipset	Intel QM77
BIOS	AMI EFI 64Mbit

Memory

Technology	DDR3 1600MHz, DDR3L 1333 MHz
Max. Capacity	8GB
Socket	1 x 204-pin SO-DIMM

Graphic

Chipset	Intel QM77 Integrated GFX Gen 7
Graphic Engine	DirectX11, OpenGL 3.1, and Open CL 11 Hardware decode acceleration: AVC/H.264, M PEG-2, VC-1
VGA	Integrated 340.4MHz RAMDAC, Max resolution up to 2048 x 1536 @ 75Hz
HDMI	Supports HDMI 1.4 for HD Video playback Max resolution up to 2560 x 1600 @ 60Hz on DisplayPort, Max resolution up to 1920 x 1200 @ 60Hz on HDMI
Dual Display	VGA + HDMI or VGA + DisplayPort

I/O Interface

COM	2 x RS232
USB	2 x USB 3.0 portsand 2 x USB 2.0 ports
LAN	1 x 10/100/1000 Mbps Intel 82579LM Ethernet controller, support Wake On Lan 1 x 10/100/1000 Mbps Intel 82583V Ethernet controller, support Wake On Lan

Expansion

Mini PCIe	1 x Full-size Mini PCIe (Supports mSATA) 1 x Half-size Mini PCIeer

Storage

SSD	Supports one internal mSATA socket

Power

Power Type	AT/ATX
DC-input	12 V_{DC}
Minimum Power Input	12 V, 4 A
Power Adapter	AC to DC, DC12 V/5 A, 60 W

Software Support

Microsoft Windows	Windows 7, Windows 7 Embedded

Mechanical & Environmental

Construction	Aluminum housing
Dimensions(W x H x D)	264.5 x 75.1 x 133.0 mm (10.41" x 2.96" x 5.24")
Weight	2.35 kg
Operating Temperature	Actual operational temperture may vary depending on used sensing module
Storage Temperature	-40 ~ 85°C (-40 ~ 185°F)
Operating Humidity	Relative Humidity 95% @ 40°C (non-condensing)
Mounting	Din-Rail mounting, Desk/wall-mounting

Ordering Information

ARK-RI2150L-UFAN0E	Intel ULV Core i7 3517UE/Win7E/64GB_mSATA/ 4GB DDR3

All product specifications are subject to change without notice

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