



Low Power Consumption Intel® 3th Generation Core™ i7/i5/i3 Based Fanless PC System

The ECR-10 is a low power consumption embedded fanless small form factor PC based on Intel® 3th generation Core™ i7/i5/i3 Processors with HM77 chipset or IVB Celeron 1037U processor with NM70 chipset. Utilizing Intel's HD Graphics 4000 with Intel® Quick Sync Video and Intel® Clear Video HD Technology support, this system makes video creation and convention faster and easier and improves video quality, which makes it a fit for any processor-intensive and media-intensive applications. Its aluminum body allows for maximum heat dissipation and fanless design not only offers quiet operating experience but also delivers dust-resistant performance, which lengthens its cycle life for a great deal. In addition, this highly-integrated PC takes up less space and has a much lower power consumption of less than 30W. This Intel® 3th generation Core™ i7/i5/i3 Processors based mini embedded fanless system is dedicated to automation, digital signage, network security, point of sale, transportation solutions and is designed to be high performance, reliable, secure and easy to manage.

ECR-10

Features

- ◆ Onboard Intel® 3th generation Core™ i7/i5/i3 processors with HM77 chipset or IVB Celeron processor with NM70 chipset
- ◆ Onboard Intel® HD Graphics 4000 GPU or Intel® HD Graphics GPU
- ◆ Rich I/O ports(6x USB2.0, 2 x USB3.0, 6 x COMs, 1x LPT header, 2 x SATA(1xSATA 2.0+1xSATA 3.0), Mic in, Audio out, SPDIF header)
- ◆ Supports PXE, Wake On LAN, Auto Power On Function
- ◆ DDR3 1066/1333/1600 MHz up to 8GB RAM
- ◆ 2x mini PCIe slots, one for WIFI or 3G module, one for mSATA SSD
- ◆ Low power consumption and fanless design

Specifications

CPU	GPU	Chipset
Intel® Core™ i7-3517U Processor (4M Cache, 3.00GHz, dual-Core, quad-thread, TDP 17W)	Intel® HD Graphics 4000	Intel® HM77
Intel® Core™ i5	3317U Processor (3M Cache, 2.60GHz, dual-Core, quad-thread, TDP 17W)	Intel® HD Graphics 4000
	3337U Processor (3M Cache, 2.70GHz, dual-Core, quad-thread, TDP 17W)	Intel® HM77
Intel® Core™ i3	3217U Processor (3M Cache, 1.80GHz, dual-Core, quad-thread, TDP 17W)	Intel® HD Graphics 4000
	3227U Processor (3M Cache, 1.90GHz, dual-Core, quad-thread, TDP 17W)	Intel® HM77
Intel® Celeron® Processor 1037U (2M Cache, 1.80GHz, dual-Core, dual-threaded, TDP 17W)	Intel® HD Graphics	Intel® NM70
BIOS	AP01T109	
System Memory	1 x SO-DIMM slot supports DDR3 up to 8GB RAM	
Ethernet	RTL8111F, 10Mbps/100Mbps/1000Mbps, 1 x LAN	
Storage	1x SATA3.0 1x SATA2.0 1x Full-size Mini-PCIe (for mSATA)	
Expansion	1x Half-size Mini PCIe(for WIFI or 3G network)	
Power Supply	1x DC_IN 12V(4 Pin header for output and input)	
Display Interface	1x VGA, 1x HDMI port(2048x 1536/75HZ), 1x SPDIF header 1x DVI port(optional)	
LCD Interface	1X dual channel 24 bit or single channel 18 bit LVDS header	
I/O Controller	IT8786E	
Serial Port	6x COMs RS-232	
USB	6x USB2.0, 2x USB3.0	
Parallel Port	1x LPT header	
Audio	ALC662 chip, Mic in, Line out	
Wake on LAN	Yes	
Enclosure Material	Aluminum Alloy	
Coating Processes		
Mounting Option		
Color	Black	
Operating Temperature	-20 °C~65 °C	
Dimension	190mm x190mm x 68mm	
Weight	2.5kg	



Its aluminum body allows for maximum heat dissipation, and compared to traditional design, its fanless design offers quietness and dust-resistant performance. Besides, its railway design on the surface enlarges dissipation area for a great deal and enhances heat release function.



This system is equipped with display interfaces as HDMI(2048x1536/75HZ), VGA, allowing for multiple display and high definition effect. Besides, its rich I/O ports enables it be compatible with various applications.