



## Features

- Fanless Onboard Intel® Atom™ E3845 1.91GHz with Integrated Chipset
- One 204-pin DDR3L SODIMM Socket Supports Up to 8GB DDR3L 1333 SDRAM
- 4 USB, 2 COM
- Dual Intel I210IT Gigabit LAN
- Wide Voltage +12V ~ +26V Input, ErP Power
- Available Expansion for Audio, USB, COM, HDMI, PCIe, GPIO, CAN Bus
- IP65 Compliant Front Panel, IP41 Rear Box
- 5-wire Resistive Touch



## Specifications

### Panel

<b>LCD Size</b>	12.1", 4:3
<b>Display Type</b>	XGA
<b>Resolution</b>	1024x768
<b>Pixel pitch</b>	0.1905 mm (H) x 0.1905 mm (V)
<b>Luminance</b>	600
<b>Contrast ratio</b>	700
<b>Viewing angle</b>	80 (U), 80 (D), 80 (L), 80 (R)
<b>Response time</b>	16 ms
<b>Backlight</b>	LED
<b>Touch Type</b>	5 Wires resistive
<b>Touch Light Transmission</b>	80%
<b>Touch Controller</b>	Onboard USB touch (PenMount)

### System

<b>SBC</b>	ARC-BYT
<b>Processor</b>	Intel® Atom™ E3845 4-Core 1.91GHz
<b>I/O Chipset</b>	EC ITE IT8528E
<b>System Memory</b>	1 x 204-Pin DDR3L 1333MHz SO-DIMM up to 8 GB
<b>Watchdog Timer</b>	H/W Reset, 1sec. ~ 65535sec./1sec.step
<b>H/W Status Monitor</b>	Monitoring SYSTEM Temperature and Voltage with Auto Throttling Control
<b>Expansion</b>	1 x Mini PCIe Support mSATA 1 x Optional 80-pin Expansion
<b>Storage</b>	1 x 2.5" Drive Bay

### I/O

<b>USB</b>	1 x USB 3.0, 3 x USB 2.0
<b>SATA</b>	1 x SATA III
<b>Com Port</b>	1 x RS-232/422/485 (Factory Optional) 1 x RS-232/422/485 (BIOS)
<b>Other</b>	1 x WiFi, 3 x Knockouts for Antenna Mounting

### Display

<b>Chipset</b>	Intel® Valleyview SoC integrated Graphics Supports optional dual display
<b>Resolution</b>	HDMI: Max. resolution 1920x1200 @ 60Hz
<b>Dual Display</b>	HDMI + LVDS

### Audio

<b>Audio Codec</b>	Realtek ALC892
<b>Audio Interface</b>	Speaker Out
<b>Speaker Output</b>	2 x 1W

### Ethernet

<b>Chipset</b>	2 x Intel® I210IT
<b>Ethernet Interface</b>	10/100/1000 Base-Tx GbE compatible
<b>Lan Port</b>	2 x RJ-45

### Power Requirement

<b>Power Connector</b>	Lockable DC Jack
<b>Power Requirement</b>	+12V ~ +26V
<b>Power Type</b>	AT/ATX (ATX is default setting)
<b>Adapter</b>	Input: 100 ~ 240Vac/ 50 ~ 60Hz

### Mechanical & Environmental

<b>System Fan</b>	Fanless
<b>Construction - Front</b>	Silver Aluminum
<b>Construction - Rear</b>	Black
<b>Dimension</b>	283 x 222 x 46 mm
<b>Weight</b>	2.4 Kgs
<b>Operating Temperature</b>	-30°C ~ 60°C (-22°F ~ 140°F)
<b>Storage Temperature</b>	-30°C ~ 70°C (-22°F ~ 158°F)
<b>Operating Humidity</b>	0% ~ 90% Relative Humidity, Non-condensing
<b>Vibration Test</b>	With SSD/mSATA : 5Grms, IEC 60068-2-64, Random, 5 ~ 500Hz, 1hr/axis
<b>Shock Test</b>	With SSD/mSATA : 50Grms, IEC 60068-2-27, Half Sine, 11ms
<b>Certifications</b>	CE, FCC Class B
<b>OS Information</b>	Win 7, Win 8, Linux

## Ordering Information

ARC-1209-384A1-01R

ARC-1209 w/E3845/4GR/32GSSD/WES7E/Adapter/Extra 3 IET modules

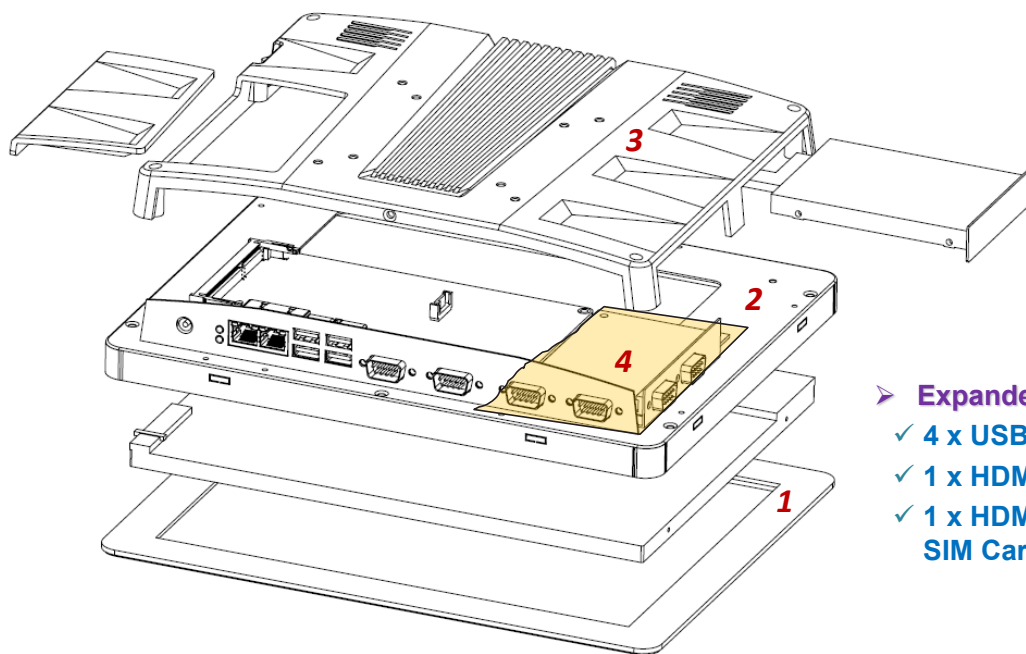


# ARC-1209 ID Design





## ARC-1209 Expandable Panel PC



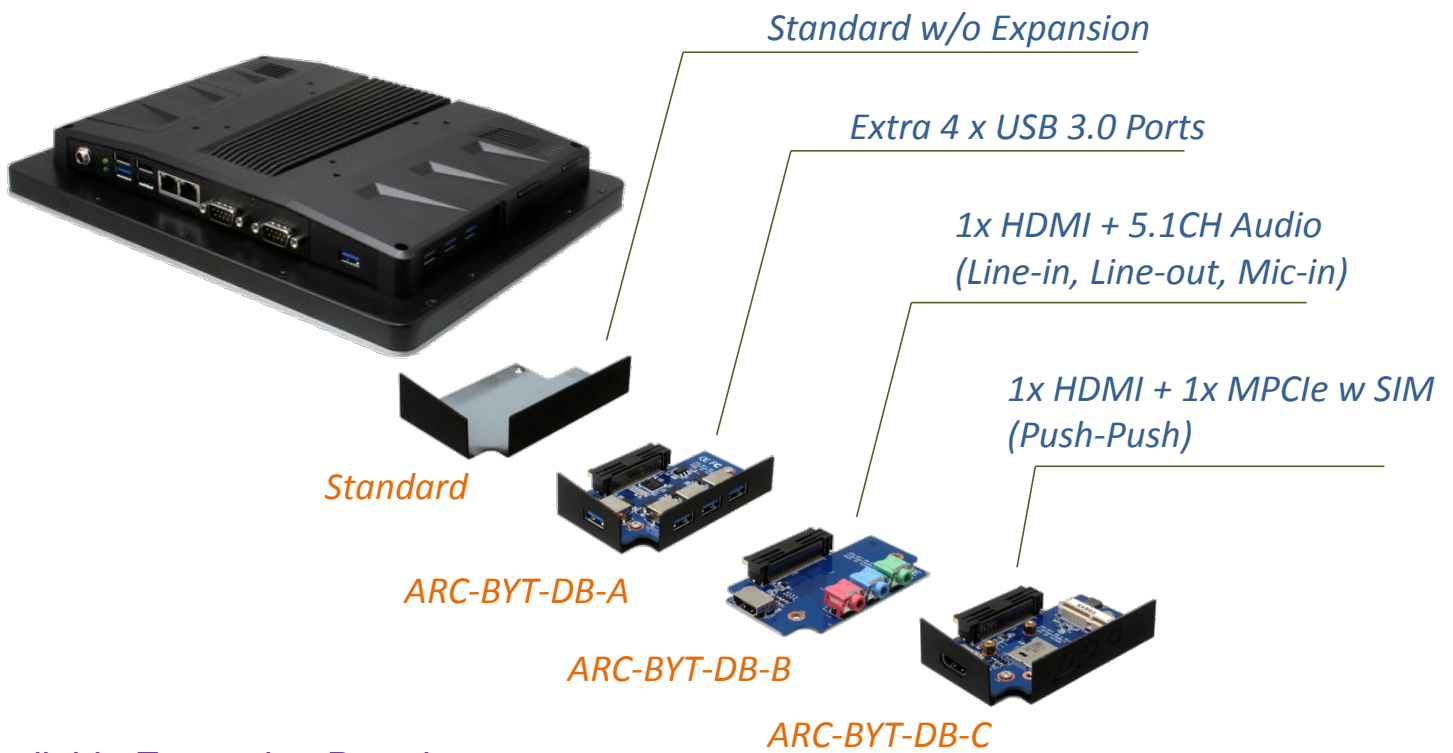
- **Expanded Boards in Plan**
- ✓ 4 x USB
  - ✓ 1 x HDMI + 5.1CH Audio
  - ✓ 1 x HDMI + 1 x MPCle with SIM Card Slot

### **Easy to Assembly:**

1. Master 3 chassis for front bezel (1), middle for panel back & SBC (2), back cover (3)
2. Expansion thru docking connector with daughter board & change the expansion I/O cover (4)



## ARC-1209 Expandable Panel PC



Available Expansion Boards.  
More selections will be ready SOON.