



## ARC-1509

### 15" Intel® Atom™ SoC Processor E3845 Fanless Rugged Touch Panel PC with IET Expansion

- > Onboard Intel® Atom™ SoC E3845 1.91GHz BGA processor
- > 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 (Optional P-cap Available)
- > TPM 1.2 Function (Optional)

#### + Spec

System	
Processor	Intel® Atom™ E3845 4-Core 1.91GHz processor
System Memory	1 x 204-Pin DDR3L 1333MHz SO-DIMM up to 8 GB
I/O Chip	EC ITE IT8528E
Watchdog Timer	H/W Reset, 1sec. ~ 65535sec. and 1sec./step
H/W Status Monitor	Monitoring CPU & System Temperature and Voltage
SBC	ARC-BYT
Expansion	
Expansion	1 x Mini PCIe Supports mSATA 1 x Optional 80-pin Expansion
Storage	
Storage	1 x 2.5" Drive Bay (7mm HDD Restricted)
I/O	
USB	1 x USB 3.0 3 x USB 2.0
SATA	1 x SATA II
COM Port	1 x RS-232/422/485 (Factory Optional) 1 x RS-232
Other	1 x WiFi 3 x Knockouts for Antenna Mounting
Display	
Chipset	Intel® Valleyview SoC integrated Graphics Supports optional dual display
Resolution	HDMI: Max. resolution 1920x1200 @ 60Hz
Audio	
Chipset	Realtek ALC892
Audio Interface	Speaker Out
Speaker Output	2 x 1W
Ethernet	
Chipset	2 x Intel® I210IT
Mechanical & Environmental	
Power Type	AT/ATX (ATX is default setting)
Operating Temp	-30°C ~ 60°C (-22°F ~ 140°F)
Storage Temp	-30°C ~ 70°C (-22°F ~ 158°F)
Operating Humidity	0% ~ 90% Relative Humidity, Non-condensing
Weight	3.7 Kgs
Dimension (L x W x H)	350 x 274 x 49.8 mm
Shock Test	Operating with SSD/CFast/mSATA : MIL-STD-810G, Method 516.6, Procedure I, functional shock=20G
System Fan	Fanless
Construction - Front	Silver Aluminum
Construction - Rear	Black
Certifications	
Certification Information	CE FCC Class B
Software Support	
OS Information	Win 7 Win 8 Linux
Power Requirement	
Power Connector	Lockable DC Jack



<b>Power Requirement</b>	+12V ~ +26V
<b>Adapter</b>	Input: 100 ~ 240Vac/ 50 ~ 60Hz Output: 60W Adapter (12V @ 5A Adapter) AC-DC Adapter
<b>Panel</b>	
<b>LCD Size</b>	15", 4:3
<b>Display Type</b>	XGA
<b>Resolution</b>	1024x768
<b>Pixel pitch</b>	0.297mm(H) x 0.297mm(V)
<b>Luminance</b>	400 cd/m <sup>2</sup>
<b>Contrast ratio</b>	700
<b>Viewing angle</b>	70 (U), 70 (D), 80 (L), 80 @
<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)

## + Ordering

ARC-1509-384-A1R  
Intel Atom SoC E3845 1.91GHz/4G DDR3L/2GLAN/2COM/4USB/12~26V Input/12V Adaptor

ACC-ARC-USB-1R  
4 x USB3.0 module

ACC-ARC-AUDIO-1R  
HDMI + Audio (Line out, Line in, Mic in)

ACC-ARC-MPCIE-1R  
HDMI + Mini PCIe (w/ SIM slot)

ACC-ARM-D1R  
VESA STAND, 75mm & 100 mm

ACC-ARM-D40R  
Stylish Table Stand for Cable Collection (75x75 mm and 100x100 mm)