ARC-1509 ▪ 15" Intel® Atom™ SoC Processor E3845 Fanless Rugged Touch Panel PC with IET Expansion



Features

- 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, MPCIe, GPIO, CAN Bus
- IP65 Compliant Front Panel, IP41 Rear Box
- 5-wire Resistive Touch (Optional P-cap Available)
- TPM 1.2 Function (Optional)

Specifications

Panel

LCD Size	15", 4:3
Display Type	XGA
Resolution	1024x768
Pixel pitch	0.297mm (H) x 0.297mm (V)
Luminance	400 cd/m²
Contrast ratio	700
Viewing angle	70 (U), 70 (D), 80 (L), 80 (R)
Response time	16 ms
Backlight	LED
Touch Type	5 Wires resistive
Touch Light Transmission	80%
Touch Controller	Onboard USB touch (PenMount)

System

SBC	ARC-BYT
Processor	Intel® Atom™ E3845 4-Core 1.91GHz
I/O Chipset	EC ITE IT8528E
System Memory	1 x 204-Pin DDR3L 1333MHz SO-DIMM up to 8 GB
Watchdog Timer	H/W Reset, 1sec. ~ 65535sec./1sec.step
H/W Status Monitor	Monitoring System Temperature and Voltage with Auto Throttling Control

Expansion & Storage

Expansion	1 x Mini PCIe Supports mSATA 1 x Optional 80-pin Expansion
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 III
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
Ethernet Interface	10/100/1000 Base-Tx GbE compatible
Lan Port	2 x RJ-45

Power Requirement

Power Connector	Lockable DC Jack
Power Requirement	+12V ~ +26V
Power Type	AT/ATX (ATX is default setting)
Adapter	Input: 100 ~ 240Vac/ 50 ~ 60Hz Output: 60W Adapter (12V @ 5A Adapter)

Mechanical & Environmental

System Fan	Fanless
Construction	Silver Aluminum (Front), Black (Rear)
Dimension	350 x 274 x 49.8 mm
Weight	3.7 Kgs
Operating Temperature	-30°C ~ 60°C (-22°F ~ 140°F)
Storage Temperature	-30°C ~ 70°C (-22°F ~ 158°F)
Operating Humidity	0% ~ 90% Relative Humidity, Non-condensing
Vibration Test	With SSD/mSATA : 4Grms, IEC 60068-2-64, Random, 5 ~ 500Hz, 1hr/axis
Mounting	Wall / Stand / VESA 75mm x 75mm, 100mm x 100mm
Shock Test	Operating with SSD/CFast/mSATA : MIL-STD-810G, Method 516.6, Procedure I, functional shock=20G

Certifications & Software Support

Certifications	CE, FCC Class B
OS Information	Win 7, Win 8, Linux

Ordering Information

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 USB 3.0 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)