



ARC-1533

15" Intel® Atom™ SoC Processor x7-E3950
Fanless Rugged Touch Panel PC with IET
Expansion

- > Intel Atom Processor x7-E3950 4-core 1.6GHz
- > One 204-pin DDR3L SODIMM Socket, Support Up to 8GB DDR3L 1600MTs SDRAM
- > Dual Intel Gigabit LAN
- > Wide Voltage +9V ~ +36V Input, ErP Power
- > 4 USB3.0, 2 COM, 2LAN
- > Available Expansion for Audio, USB, COM, HDMI, PCIe, GPIO, CAN Bus
- > IP65 Compliant Front Panel, IP41 Rear Box
- > 5-wire Resistive Touch

+ Spec

System Information

Processor	Intel® Atom Processor x7-E3950 4-Core 1.6GHz (Option for x5-E3940 4-Core 1.6GHz)
System Memory	1 x 204-pin DDR3L SODIMM Socket, Supports Up to 8GB DDR3L 1600MTs SDRAM
I/O Chipset	EC ITE IT8528E
Watchdog Timer	H/W Reset, 1sec. ~ 65535min. and 1sec. or 1min./step
H/W Status Monitor	Monitoring CPU & System Temperature and Voltage
SBC	ARC-APL

Expansion

Expansion	1 x Mini PCIe Support mSATA 1 x 80-pin IET interface
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Storage

Storage	1 x 2.5" Drive Bay (7mm HDD Restricted)
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Panel

LCD Size	15", 4:3
Display Type	XGA
Resolution	1024 x 768
Pixel pitch	0.297mm(H) x 0.297mm(V)
Luminance	500 cd/m ²
Contrast ratio	2500
Viewing angle	88 (U), 88 (D), 88 (L), 88 (R)
Response time	16 ms
Backlight	LED
Touch Type	5 Wires resistive
Touch Light Transmission	80 %
Touch Controller	Onboard USB touch (PenMount)

I/O

USB Port	4 x USB 3.0
COM Port	1 x RS-232/422/485 1 x RS-232
SATA	1 x SATA III
Other	3 x Knockouts for Antenna Mounting

Audio

Audio Codec	Realtek ALC888S
Speaker Output	2 x 2W

Certifications

Certification Information	CE FCC Class B
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Ethernet

LAN Chipset	2 x Intel I210IT
Ethernet Interface	10/100/1000 Base-Tx GbE compatible
LAN Port	2 x RJ-45

Power Requirement

DC Input	+9V ~ +36V
DC Input Connector	Lockable DC Jack
Adapter	Input: 100 ~ 240Vac/ 50 ~ 60Hz Output: 60W Adapter (12V @ 5A Adapter) AC-DC Adapter

Mechanical & Environmental

Operating Temperature	x7-E3950: -20°C ~ 50°C x5-E3940: -20°C ~ 60°C
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Storage Temperature	-30°C ~ 70°C
Operating Humidity	40°C @ 95% Relative Humidity, Non-condensing
Weight	3.7 Kgs
Vibration Test	With SSD/mSATA : 3Grms, IEC 60068-2-64, Random, 5 ~ 500Hz, 1hr/axis
Shock Test	Operating with SSD/CFast/mSATA : MIL-STD-810G, Method 516.6, Procedure I, functional shock=20G
IP Rating	Front IP65 Rear IP41
Mounting Kit	Wall / Stand / VESA 75mm x 75mm, 100mm x 100mm
Power Mode	AT/ATX (ATX is default setting)
System Fan	Fanless
Construction - Front	Silver Aluminum
Construction - Rear	Black Die Casting
Dimension	350 x 274 x 51 mm
Software Support	
OS Information	Win 10 / Linux
Ordering Information	
Ordering Information	<p>ARC-1533-395-A2R 15" 1024x768 Industrial Touch Panel PC, ErP Design Intel® Atom Processor E3950 4-Core 1.6GHz CPU/4G DDR3L/2GLAN/2COM/4USB/SPK/9~36V input/12V Adapter</p> <p>ARC-1533-WMB-A2R 15" 1024x768 Industrial Touch Panel PC, ErP Design/Back panel mount Intel® Atom Processor E3950 4-Core 1.6GHz CPU/4G DDR3L/2GLAN/2COM/4USB/SPK/9~36V input/12V Adapter</p> <p>Optional IET Module list:</p> <p>ACC-ARC-USB-1R 4 x USB 3.0 Kit for ARC Series</p> <p>ACC-ARC-AUDIO-1R HDMI + 5.1 CH Audio Kit for ARC Series</p> <p>ACC-ARC-MPCIE-1R HDMI + MPCIE w/SIM Kit for ARC Series</p> <p>ACC-ARC-COM-1R 2 x Isolated RS-232 Kit for ARC Series</p> <p>ACC-ARC-COM-2R 3 x RS-232 Kit for ARC Series</p> <p>ACC-ARC-COM-3R 2 x RS-232 + USB Kit for ARC Series</p> <p>ACC-ARC-COM-4R 2 x RS-232 + LAN Kit for ARC Series</p> <p>ACC-ARC-GPIO-1R 12-bit GPIO + 2-pin CAN Bus Kit for ARC Series</p> <p>ACC-ARC-OBDII-1R OBDII - CAN Bus Kit for ARC Series (OBDII/EOBD for Small Vehicle)</p> <p>ACC-ARC-OBDII-2R OBDII - CAN Bus Kit for ARC Series (J1939J1708 for Large Vehicle)</p> <p>ACC-ARC-OBDII-3R OBDII - CAN Bus Kit for ARC Series (ISO15765-4 for Special Large Vehicle)</p>