



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, MPCle, 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
Storage	
Storage	1 x 2.5" Drive Bay (7mm HDD Restricted)
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/m²
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
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

www.avalue.com.tw



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	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 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 Optional IET Module list: ACC-ARC-USB-1R 4 x USB 3.0 Kit for ARC Series ACC-ARC-AUDIO-1R HDMI + 5.1 CH Audio Kit for ARC Series ACC-ARC-MPCIE-1R HDMI + MPCIE w/SIM Kit for ARC Series ACC-ARC-COM-1R 2 x Isolated RS-232 Kit for ARC Series ACC-ARC-COM-2R 3 x RS-232 Kit for ARC Series ACC-ARC-COM-3R 2 x RS-232 + USB Kit for ARC Series ACC-ARC-COM-4R 2 x RS-232 + LAN Kit for ARC Series ACC-ARC-GPIO-1R 12-bit GPIO + 2-pin CAN Bus Kit for ARC Series ACC-ARC-OBDI-1R OBDII - CAN Bus Kit for ARC Series (OBDII/EOBD for Small Vehicle) ACC-ARC-OBDI-2R OBDII - CAN Bus Kit for ARC Series (J1939J1708 for Large Vehicle) ACC-ARC-OBDI-3R OBDII - CAN Bus Kit for ARC Series (ISO15765-4 for Special Large Vehicle) E1702031833R USA Power Cord E1702031000R EU Power Cord E1702031834R Japan Power Cord E1702031830R UK Power Cord E1702031831R Australia Power Cord

Assured Systems

Assured Systems is a leading technology company with over 1,500 regular clients in 80 countries, deploying over 85,000 systems to a diverse customer base in 12 years of business. We offer high-quality and innovative rugged computing, display, networking and data collection solutions to the embedded, industrial, and digital-out-of-home market sectors.

US

sales@assured-systems.com

Sales: +1 347 719 4508

Support: +1 347 719 4508

1309 Coffeen Ave
Ste 1200
Sheridan
WY 82801
USA

EMEA

sales@assured-systems.com

Sales: +44 (0)1785 879 050

Support: +44 (0)1785 879 050

Unit A5 Douglas Park
Stone Business Park
Stone
ST15 0YJ
United Kingdom

VAT Number: 120 9546 28

Business Registration Number: 07699660