



ARC-1535

**15" Intel® Atom™ SoC Processor
x6211E/x6413E/x6425E Fanless Rugged To
Panel PC with IET Expansion**

Onboard Intel® Atom™ Elkhart Lake
x6211E/x6413E/x6425E Processor
One 260-pin SODIMM sockets supports up to 32
3200 SDRAM
4 x USB3.2, 2 x COM
Dual Intel Gigabit LAN
2 x M.2 Slots (Key-B 2242/3042/3052, Key-E 22:
Support Wi-Fi / BT / 4G / 5G (by option)
Wide Voltage +12V ~ +24V Input, ErP Power
Available Expansion for Audio, USB, COM, HDM
GPIO, CAN Bus
IP65 Compliant Front Panel, IP41 Rear Box
5-wire Resistive Touch
TPM 2.0 Function
Fanless Operation Wide temp. from -20°C ~ 55°C
(-4°F ~ 131°F)

+ Spec

System Information-

Processor

Onboard Intel® Elkhart Lake Processor
Intel Atom® x6211E Processor (6W, 1.5M Cache, up to 3.00 GHz)
Intel Atom® x6413E Processor (9W, 1.5M Cache, up to 3.00 GHz)
Intel Atom® x6425E Processor (12W, 1.5M Cache, up to 3.00 GHz)

System Memory

1 x 260-pin DDR4 3200 MHz SO-DIMM socket, supports up to 32GB Max (In-BEND ECC supported)

I/O Chipset

EC ITE IT5571

Watchdog Timer

H/W Reset, 1sec. ~ 65535min. and 1sec. or 1min./step

H/W Status Monitor

Monitoring CPU & System Temperature and Voltage

TPM

Onboard NuvoTon NPCT754AABYX support TPM 2.0

SBC

ARC-EHL

Expansion

Expansion

1 x M.2 Key-B 2242/3042/3052 with SIM card slot
Support SATA3 (BOM option for USB or PCIe for LTE(4/5G))

1 x M.2 Key-E 2230
Support PCIe/USB Wi-Fi/BT module

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

7 x Knockouts for Antenna Mounting
*5 from rear cover + 2 from IET bracket

.Display

Graphic Chipset	Intel® Elkhart Lake SoC integrated Graphics Supports optional dual display
Spec. & Resolution	HDMI: Max. resolution 4096x2160 @ 24Hz (Optional by IET module)

.Audio

Audio Codec	Realtek ALC888S(co-layout 897)
Speaker Output	2 x 2W

.Certifications

Certification Information	CE FCC Class B
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.Ethernet

W



LAN Chipset	2 x Intel® I225-IT 2.5 Gigabit Ethernet
Ethernet Interface	10/100/1000 Base-Tx GbE compatible
LAN Port	2 x RJ-45
.Power Requirement	
DC Input	+12V ~ +24V
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	Wide temp.-20°C ~ 55°C (-4°F ~ 131°F)
Storage Temperature	Wide temp.-30°C ~ 70°C(-22°F ~ 158°F)
Operating Humidity	40°C @ 95% Relative Humidity, Non-condensing
Weight	3.7 Kgs
Vibration Test	With SSD/M.2 SSD : 3Grms, IEC 60068-2-64, Random, 5 ~ 500Hz, 30mins/axis
Shock Test	Operating with SSD/M.2 : 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	350.51 x 274.51 x 54.5 mm

.Software Support

OS Information	Win10/11 / Linux
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.Ordering Information

Ordering Information	ARC-1535-X13-A1R 15" 1024x768 Industrial Touch Panel PC, ErP Design, Resistive Touch(ALC888S) Intel Atom SoC x6413E 1.50 GHz CPU/2GLAN/2COM/4USB/SPK/12~24V input/12V Adapter
	Optional IET Module list:
	ACC-ARC-USB-01R 4 x USB 3.0 IET module for ARC-1535/38
	ACC-ARC-AUDIO-01R HDMI + 5.1 CH audio IET module for ARC-1535/38
	ACC-ARC-MPCIE-02R HDMI + MPCIE w/SIM IET module for ARC-1535/38
	ACC-ARC-COM-01R 2 x Isolated RS-232 IET module for ARC-1535/38
	ACC-ARC-COM-02R 3 x RS-232 IET module for ARC-1535/38
	ACC-ARC-COM-03R 2 x RS-232 + USB IET module for ARC-1535/38
	ACC-ARC-COM-04R 2 x RS-232 + LAN IET module for ARC-1535/38
	ACC-ARC-GPIO-01R 12-bit GPIO + 2-pin CAN bus IET module for ARC-1535/38
	ACC-ARC-OBDDII-01R OBDDII - CAN bus IET module for ARC-1535/38 (OBDDII/EOBD for small vehicle)

ACC-ARC-OBDI-02R
OBDI - CAN bus IET module for ARC-1535/38 (J1939J1708 for large vehicle)

ACC-ARC-OBDI-03R
OBDI - CAN bus IET module for ARC-1535/38 (ISO15765-4 for special large vehicle)

E1702031835R USA Power Cord

E170203183DR EU Power Cord

E170203183BR Japan Power Cord

E170203183ER UK Power Cord

E1702031800R Australia Power Cord

