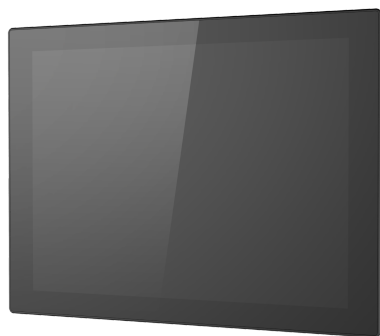




ARC-1235-B

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

Onboard Intel® Atom™ Elkhart Lake x6211E/x6413E/x6425E Pr
One 260-pin SODIMM sockets supports up to 32GB DDR4 3200
4 x USB3.2, 2 x COM
Dual Intel Gigabit LAN
2 x M.2 Slots (Key-B 2242/3042/3052, Key-E 2230)
Support Wi-Fi / BT / 4G / 5G (by option)
Wide Voltage +12V ~ +24V Input, ErP Power
Available Expansion for Audio, USB, COM, HDMI, GPIO
IP65 Compliant Front Panel, IP41 Rear Box
10 Point PCAP Touch
TPM 2.0 Function
Fanless Operation Wide temp. from -10°C ~ 50°C (-14°F ~ 122°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 SATA III

1 x M.2 Key-E 2230, support PCIe1, USB2.0

1 x 80-pin IET interface

.-Storage

Storage

1 x 2.5" Drive Bay

.-Panel

LCD Size

12.1", 4:3

Display Type

XGA

Resolution

1024 x 768

Pixel pitch

0.240 mm (H) x 0.240 mm (V)

Luminance

600 cd/m²

Contrast ratio

1000

Viewing angle

89 (U), 89 (D), 89 (L), 89 (R)

Response time

13 ms

Backlight

LED

Touch Type

10 Point PCAP Touch

Touch Light Transmission

89 %

Touch Controller

USB touch (EETI)

.-I/O

USB Port

4 x USB 3.2

COM Port

1 x RS-232/422/485

1 x RS-232

SATA

1 x SATA III

.-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 (897 co-layout)

Speaker Output	2 x 2W
.Certifications	
Certification Information	CE/ FCC class B
.Ethernet	
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	

W



DC Input	+12V ~ +24V
DC Input Connector	Lockable DC Jack
Adapter	Input: 100 ~ 240Vac/ 50 ~ 60Hz Output: 72W Adapter (19V @ 3.78A Adapter) AC-DC Adapter
.Mechanical & Environmental	
Operating Temperature	Wide temp.-10°C ~ 50°C (-14°F ~ 122°F)
Storage Temperature	Wide temp.-20°C ~ 60°C (-4°F ~ 140°F)
Operating Humidity	40°C @ 95% Relative Humidity, Non-condensing
Weight	2.4 Kgs
Vibration Test	With SSD/mSATA : 3Grms, IEC 60068-2-64, Random, 5 ~ 500Hz, 30 mins/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	Die Casting with Cover lens
Construction - Rear	Black Die Casting
Dimension	292.86 x 225.4 x 51.5 mm
.Software Support	
OS Information	Win10 /11/ Linux
.Ordering Information	
Ordering Information	ARC-1235-X13-B1-1R 12.1" 1024x768 Industrial PCAP Touch Panel PC, ErP Design, (ALC888S) Intel Atom SoC x6413E 1.50 GHz CPU/2GLAN/2COM/4USB/SPK/12~24V input/19V Adapter Optional IET Module list: ACC-ARC-USB-01R 4 x USB 3.0 IET module for ARC-1535/1538 ACC-ARC-AUDIO-01R HDMI + 5.1 CH audio IET module for ARC-1535/1538 ACC-ARC-MPCIE-02R HDMI + MPCIE w/SIM IET module for ARC-1535/1538 ACC-ARC-COM-01R 2 x Isolated RS-232 IET module for ARC-1535/1538 ACC-ARC-COM-02R 3 x RS-232 IET module for ARC-1535/1538 ACC-ARC-COM-03R 2 x RS-232 + USB IET module for ARC-1535/1538 ACC-ARC-COM-04R 2 x RS-232 + LAN IET module for ARC-1535/1538 ACC-ARC-GPIO-01R 12-bit GPIO + 2-pin CAN bus IET module for ARC-1535/1538 ACC-ARC-OBDDII-01R OBDDII - CAN bus IET module for ARC-1535/1538 (OBDDII/EOBD for small vehicle) ACC-ARC-OBDDII-02R OBDDII - CAN bus IET module for ARC-1535/1538 (J1939J1708 for large vehicle) ACC-ARC-OBDDII-03R OBDDII - CAN bus IET module for ARC-1535/1538 (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

