



## ARC-1232-B

12.1" 6th Gen Intel® ULT Core™ Processor i7/i5/i3  
Fanless Rugged Touch Panel PC with IET  
Expansion

- > Onboard 6th Gen Intel® ULT Core™ i5 6300U 2.4GHz BGA Processor
- > Full Flat Front Panel with Projected Capacitive Touch Supports Multi Touch
- > One SODIMM sockets supports up to 16GB DDR4 2133 SDRAM
- > 4 USB3, 2 COM
- > Dual Intel Gigabit LAN
- > Wide Voltage +12V ~ +26V Input, ErP Power
- > Available Expansion for Audio, USB, COM, HDMI, MPCle, GPIO, CAN Bus
- > IP65 Compliant Front Panel, IP41 Rear Box
- > With Panel Mount kits included
- > TPM 1.2 Function (Optional)

**Spec**

-System Information-	
Processor	6th Gen Intel® Core™ i5-6300U, 2-Core, 2.4GHz processor
System Memory	1 x 260-Pin DDR4 2133MHz SO-DIMM up to 16 GB
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-SKLU
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	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/m <sup>2</sup>
Contrast ratio	1000
Viewing angle	89 (U), 89 (D), 89 (L), 89 (R)
Response time	11 ms
Backlight	LED
Touch Type	Projective Capacitive Multi-Touch up to 10 points
Touch Light Transmission	89 %
Touch Controller	USB touch (EETI)
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
Display	
Graphic Chipset	Intel® Skylake SoC integrated Graphics Supports optional dual display
Spec. & Resolution	HDMI: Max. resolution 4096x2160 @ 24Hz (Optional by IET module)
Audio	
Audio Codec	Realtek ALC888S
Speaker Output	2 x 2W
Certifications	
Certification Information	CE / FCC Class B
Ethernet	
LAN Chipset	1 x Intel® I211AT 1 x Intel® I219LM
Ethernet Interface	10/100/1000 Base-Tx GbE compatible
LAN Port	2 x RJ-45
Power Requirement	
DC Input	+12V ~ +26V
DC Input Connector	Lockable DC Jack



<b>Adapter</b>	Input: 100 ~ 240Vac/ 50 ~ 60Hz Output: 60W Adapter (12V @ 5A Adapter) AC-DC Adapter
<b>Mechanical &amp; Environmental</b>	
<b>Operating Temperature</b>	-10°C ~ 50°C (14°F ~ 122°F)
<b>Storage Temperature</b>	-20°C ~ 60°C (-4°F ~ 140°F)
<b>Operating Humidity</b>	0% ~ 90% Relative Humidity, Non-condensing
<b>Weight</b>	2.54 Kgs
<b>Vibration Test</b>	With SSD/mSATA : 1.5Grms, IEC 60068-2-64, Random, 5 ~ 500Hz, 1hr/axis
<b>Shock Test</b>	Operating with SSD/CFast/mSATA : MIL-STD-810G, Method 516.6, Procedure I, functional shock=20G
<b>IP Rating</b>	Front IP65 Rear IP41
<b>Mounting Kit</b>	Wall / Stand / VESA 75mm x 75mm, 100mm x 100mm Panel Mount with mounting kits
<b>Power Mode</b>	AT/ATX (ATX is default setting)
<b>System Fan</b>	Fanless
<b>Construction - Front</b>	Die Cating with Cover lens
<b>Construction - Rear</b>	Black Die Casting
<b>Dimension</b>	292.86 x 225.4 x 51.5 mm
<b>Software Support</b>	
<b>OS Information</b>	Win 7/ 8.1 / 10 / Linux
<b>Ordering Information</b>	
<b>Ordering Information</b>	<p>ARC-1232-630-B2-1R 12.1" 1024x768 Industrial Touch Panel PC, ErP Design 6th Gen Intel Core i5 6300U 2.4GHz CPU/2GLAN/2COM/4USB/SPK/12~26V 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-OBDI-1R OBDI - CAN Bus Kit for ARC Series (OBDI/EOBD for Small Vehicle)</p> <p>ACC-ARC-OBDI-2R OBDI - CAN Bus Kit for ARC Series (J1939J1708 for Large Vehicle)</p> <p>ACC-ARC-OBDI-3R OBDI - CAN Bus Kit for ARC Series (ISO15765-4 for Special Large Vehicle)</p> <p>E1702031831R Australia Power Cord E1702031833R USA Power Cord E1702031834R Japan Power Cord E170P060380R UK Power Cord E1702031000R EU Power Cord</p>

## Assured Systems

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