



## ARC-1232

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 2.40GHz BGA Processor
- > One SODIMM sockets supports up to 16GB DDR4 2133 SDRAM
- > 4 USB, 2 COM
- > Dual Intel Gigabit LAN
- > Wide Voltage +12V ~ +26V Input, ErP Power
- > Available Expansion for Audio, USB, COM, HDMI, PCIe, GPIO, CAN Bus
- > IP65 Compliant Front Panel, IP41 Rear Box
- > 5-wire Resistive Touch
- > TPM 1.2 Function (Optional)

### + Spec

System	
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 Chip	EC ITE IT8528E
Watchdog Timer	H/W Reset, 1sec. ~ 65535min. and 1sec. or 1min./step
H/W Status Monitor	Monitoring SYSTEM Temperature and Voltage with Auto Throttling Control
SBC	ARC-SKLU
Expansion	
Expansion	1 x Mini PCIe Support mSATA 1 x Optional 80-pin Expansion
Storage	
Storage	1 x 2.5" Drive Bay (7mm HDD Restricted)
I/O	
USB	4 x USB 3.0
SATA	1 x SATA III
COM Port	1 x RS-232/422/485 (Factory Optional) 1 x RS-232
Other	1 x WiFi 3 x Knockouts for Antenna Mounting
Display	
Chipset	Intel® Skylake SoC integrated Graphics Supports optional dual display
Resolution	HDMI: Max. resolution 4096x2160 @ 24Hz
Audio	
Chipset	Realtek ALC892
Audio Interface	Speaker Out
Speaker Output	2 x 1W
Ethernet	
Chipset	1 x Intel® I210AT 1 x Intel® I219LM
Ethernet Interface	10/100/1000 Base-Tx GbE compatible
LAN Port	2 x RJ-45
Mechanical & Environmental	
Power Type	AT/ATX (ATX is default setting)
Operating Temp	-10°C ~ 50°C (14°F ~ 122°F)
Storage Temp	-20°C ~ 60°C (-4°F ~ 140°F)
Operating Humidity	0% ~ 90% Relative Humidity, Non-condensing
Weight	2.4 Kgs
Mounting Kit	Wall / Stand / VESA 75mm x 75mm, 100mm x 100mm
Vibration Test	With SSD/mSATA : 5Grms, 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
System Fan	Fanless
Construction - Front	Silver Aluminum
Construction - Rear	Black
Dimension	284 x 223 x 46 mm
Certifications	
Certification Information	CE / FCC Class B
Software Support	
OS Information	Win 8.1 / Win 10 / Linux
Power Requirement	



<b>Power Connector</b>	Lockable DC Jack
<b>Power Requirement</b>	+12V ~ +26V
<b>Adapter</b>	Input: 100 ~ 240Vac/ 50 ~ 60Hz Output: 60W Adapter (12V @ 5A Adapter) AC-DC Adapter
<b>Panel</b>	
<b>LCD Size</b>	12.1", 4:3
<b>Display Type</b>	XGA
<b>Resolution</b>	1024 x 768
<b>Pixel pitch</b>	0.1905 mm (H) x 0.1905 mm (V)
<b>Luminance</b>	600 cd/m <sup>2</sup>
<b>Contrast ratio</b>	700
<b>Viewing angle</b>	70 (U), 70 (D), 80 (L), 80 (R)
<b>Response time</b>	16 ms
<b>Backlight</b>	LED
<b>Touch Type</b>	5 Wires resistive
<b>Touch Light Transmission</b>	80 %
<b>Touch Controller</b>	Onboard USB touch (PenMount)

#### Ordering

ARC-1232-630-A1R  
Intel 6th Gen ULT Core i5-6300U 2.4GHz/4G DDR4/2GLAN/2COM/4USB/12~26V Input/12V Adaptor

ACC-ARC-USB-1R  
4 x USB3.0 module

ACC-ARC-AUDIO-1R  
HDMI + Audio (Line out, Line in, Mic in)

ACC-ARC-MPCIE-1R  
HDMI + Mini PCIe (w/ SIM slot)

ACC-ARM-D29R  
ARM A800B VESA standard 75\*75 & 100\*100mm