



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 2.40GHz 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, PCIe, GPIO, CAN Bus
- > IP65 Compliant Front Panel, IP41 Rear Box
- > With Panel Mount kits included
- > 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 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	0.1905 mm (H) x 0.1905 mm (V)
Luminance	600 cd/m²
Contrast ratio	700
Viewing angle	old=>E9689233011R: 70 (U), 70 (D), 80 (L), 80 (R) new=>E9689412103R: 89 (U), 89 (D), 89 (L), 89 (R)
Response time	16 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	4 x USB 3.0
SATA	1 x SATA III
COM Port	1 x RS-232/422/485 1 x RS-232
Other	3 x Knockouts for Antenna Mounting
Display	
Chipset	Intel® Skylake SoC integrated Graphics Supports optional dual display
Resolution	HDMI: Max. resolution 4096x2160 @ 24Hz (Optional by IET module)
Audio	
Chipset	Realtek ALC892
Speaker Output	2 x 2W
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 Temperature	-10°C ~ 50°C (14°F ~ 122°F)
Storage Temperature	-20°C ~ 60°C (-4°F ~ 140°F)



Operating Humidity	0% ~ 90% Relative Humidity, Non-condensing
Weight	2.54 Kgs
Mounting Kit	Wall / Stand / VESA 75mm x 75mm, 100mm x 100mm Panel Mount with mounting kits
IP Rating	Front IP65 Rear IP41
Vibration Test	With SSD/mSATA : 1.5Grms, 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	Die Cating with Cover lens
Construction - Rear	Black Die Casting
Dimension	292.86 x 225.4 x 51.5 mm
Certifications	
Certification Information	CE / FCC Class B
Software Support	
OS Information	Win 7 / 8.1 / 10 / Linux
Power Requirement	
Power Connector	Lockable DC Jack
Power Requirement	+12V ~ +26V
Adapter	Input: 100 ~ 240Vac/ 50 ~ 60Hz Output: 60W Adapter (12V @ 5A Adapter) AC-DC Adapter