



## ARC-1209-B

12.1" Intel® Celeron® SoC Processors J1900  
Fanless Rugged Touch Panel PC with IET  
Expansion

- > Onboard Intel® Celeron® SoC Processors J1900 BGA processor
- > Full Flat Front Panel with Projected Capacitive Touch Supports Multi Touch
- > One 204-pin DDR3L SODIMM Socket Supports Up to 8GB DDR3L 1333 SDRAM
- > 4 USB, 2 COM
- > Dual Intel I211AT Gigabit LAN
- > Wide Voltage +12V ~ +26V Input, ErP Power
- > Available Expansion for Audio, USB, COM, HDMI, PCIe, GPIO, CAN Bus
- > IP65 Compliant Front Panel
- > TPM 1.2 Function (Optional)

### + Spec

System	
Processor	Intel® Celeron® J1900 4-Core 2.0GHz processor
System Memory	1 x 204-Pin DDR3L 1333MHz SO-DIMM up to 8 GB
I/O Chip	EC ITE IT8528E
Watchdog Timer	H/W Reset, 1sec. ~ 65535sec./1sec.step
H/W Status Monitor	Monitoring CPU & System Temperature and Voltage
SBC	ARC-BYT
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	1 x USB 3.0 3 x USB 2.0
SATA	1 x SATA II
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® Valleyview SoC integrated Graphics Supports optional dual display
Resolution	HDMI: Max. resolution 1920x1200 @ 60Hz
Audio	
Chipset	Realtek ALC892
Audio Interface	Speaker Out
Speaker Output	2 x 0.5W
Ethernet	
Chipset	2 x Intel® I211AT
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	-20°C ~ 50°C (-4°F ~ 122°F)
Storage Temp	-20°C ~ 60°C (-4°F ~ 140°F)
Operating Humidity	0% ~ 90% Relative Humidity, Non-condensing
Weight	2.5 Kgs
Mounting Kit	Wall / Stand / VESA 75mm x 75mm, 100mm x 100mm
Vibration Test	With SSD/mSATA : 3Grms, 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	Black
Construction - Rear	Black
Certifications	
Certification Information	CE FCC Class B
Software Support	
OS Information	Win 7 Win 8 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>	1024x768
<b>Pixel pitch</b>	0.240mm(H) x 0.240mm(V)
<b>Luminance</b>	600 cd/m <sup>2</sup>
<b>Contrast ratio</b>	700
<b>Viewing angle</b>	80 (U), 80 (D), 80 (L), 80 (R)
<b>Response time</b>	16 ms
<b>Backlight</b>	LED
<b>Touch Type</b>	Projective Capacitive
<b>Touch Light Transmission</b>	87 %
<b>Touch Controller</b>	USB touch (EETI)
<b>Specification</b>	
<b>Dimension</b>	292.86 x 225.4 x 51.5 mm

### + Ordering

ARC-1209-190-B1-1R  
Intel Celeron® J1900 4-Core 2.0GHz/2GLAN/2COM/4USB/12V Adaptor Barebone Panel PC

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