



ARC-1509-B

15" Intel® Celeron® J1900 Fanless Rugged Touch Panel PC with IET Expansion

- > Onboard Intel® Celeron® J1900 4-Core 2.0GHz 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, IP41 Rear Box
- > With Panel Mount kits included
- > 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. and 1sec./step
H/W Status Monitor	Monitoring CPU & System Temperature and Voltage
SBC	ARC-BYT
Expansion	
Expansion	1 x Mini PCIe Supports mSATA 1 x 80-pin IET interface
Storage	
Storage	1 x 2.5" Drive Bay (7mm HDD Restricted)
Panel	
LCD Size	15", 4:3
Display Type	XGA
Resolution	1024x768
Pixel pitch	0.297mm(H) x 0.297mm(V)
Luminance	300 cd/m ²
Contrast ratio	2000
Viewing angle	88 (U), 88 (D), 88 (L), 88 (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	1 x USB 3.0 3 x USB 2.0
SATA	1 x SATA II
COM Port	1 x RS-232/422/485 1 x RS-232
Other	3 x Knockouts for Antenna Mounting
Display	
Chipset	Intel® Valleyview SoC integrated Graphics Supports optional dual display
Resolution	HDMI: Max. resolution 1920x1200 @ 60Hz (Optional by IET module)
Audio	
Chipset	Realtek ALC892
Audio Interface	Speaker Out
Speaker Output	2 x 2W
Ethernet	
Chipset	2 x Intel® I211AT
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	3.7 Kgs



Mounting Kit	Wall / Stand / VESA 75mm x 75mm, 100mm x 100mm Panel Mount with mounting kits
Dimension (L x W x H)	350 x 274.5 x 53 mm
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	Die Casting with Cover lens
Construction - Rear	Black Die Casting
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