



## BFC-1209

12.1" Intel® Celeron® SoC Processor J1900 Fanless Full Flat Multi-Touch Panel PC with Full IP-65

- > Onboard Intel® Celeron® SoC J1900 2.0GHz BGA Processor
- > Full Flat Front Panel with Projected Capacitive Touch Supports Multi Touch
- > Intel® 1211AT Gigabit Ethernet, 5.1-CH Audio
- > 1 HDMI, 1 COM, 1 CF Slot, 2 USB
- > Fanless System & VESA Compliance
- > Wide Voltage +12V ~ +26V Input, ErP Power
- > Timer-Power-On
- > Front Side IP65 Dust and Water Proof
- > Optional Mini PCIe 3G with SIM Slot and WiFi Module

**Spec**

-System Information-	
<b>Processor</b>	Intel® Celeron® J1900 4-Core 2.0GHz processor
<b>Platform Controller Hub</b>	Intel® Valleyview SoC
<b>System Memory</b>	1 x 204-Pin DDR3L 1066/1333MHz SO-DIMM up to 8 GB
<b>I/O Chipset</b>	EC ITE IT8528E
<b>Watchdog Timer</b>	H/W Reset: 1sec.~255min. and 1sec. or 1min./step
<b>H/W Status Monitor</b>	Monitoring System Temperature and Voltage with Auto Throttling Control
<b>SBC</b>	EBM-BYT
Expansion	
<b>Expansion</b>	1 x Mini PCIe 1 x Mini PCIe Supports mSATA
Storage	
<b>Storage</b>	1 x CompactFlash Type I/II Socket 1 x 2.5" Drive Bay
Panel	
<b>LCD Size</b>	12.1", 4:3
<b>Resolution</b>	1024x768
<b>Pixel pitch</b>	0.240mm (H) x 0.240mm (V)
<b>Luminance</b>	600cd/m2
<b>Contrast ratio</b>	1000
<b>Viewing angle</b>	89 (U), 89 (D), 89 (L), 89 (R)
<b>Response time</b>	16ms
<b>Backlight</b>	LED
<b>Touch Type</b>	Projective Capacitive
<b>Touch Light Transmission</b>	86 %
<b>Touch Controller</b>	USB touch (EETI)
I/O	
<b>USB Port</b>	1 x USB 2.0 1 x USB 3.0
<b>COM Port</b>	1 x RS-232/422/485
Display	
<b>Graphic Chipset</b>	Intel® Valleyview SoC integrated Graphics Supports dual display
<b>Spec. &amp; Resolution</b>	HDMI:Max. resolution 1920x1200@ 60Hz LVDS:Max. resolution 1920x1200@ 60Hz
Audio	
<b>Audio Codec</b>	Realtek ALC888S supports 5.1-CH
<b>Audio Interface</b>	Line-Out
Certifications	
<b>Certification Information</b>	CE / FCC Class B
Ethernet	
<b>LAN Chipset</b>	2 x Intel® I211AT



<b>Ethernet Interface</b>	10/100/1000 Base-Tx GbE compatible
<b>LAN Port</b>	2 x RJ-45
<b>Power Requirement</b>	
<b>DC Input</b>	+12V ~ +26V
<b>DC Input Connector</b>	Lockable DC Jack
<b>Power Mode</b>	AT/ATX
<b>Adapter</b>	Input: 100 ~ 240Vac/ 50 ~ 60Hz Output: 60W Adapter (12V @ 5A Adapter)
<b>Mechanical &amp; Environmental</b>	
<b>Operating Temperature</b>	0°C ~ 40°C (32°F ~ 104°F)
<b>Storage Temperature</b>	-10°C ~ 50°C (14°F ~ 122°F)
<b>Operating Humidity</b>	0% ~ 90% Relative Humidity, Non-condensing
<b>Dimension (W x L x H)</b>	292.9*225.4*49mm
<b>Weight</b>	3.8 Kgs
<b>Vibration Test</b>	With SSD/mSATA : 1.5Grms, IEC 60068-2-64, Random, 5 ~ 500Hz, 30min/axis
<b>Shock Test</b>	With CF/SSD : 10Grms, IEC 60068-2-27, Half Sine, 11ms
<b>System Fan</b>	Fanless
<b>Construction - Front</b>	Silver Aluminum
<b>Construction - Rear</b>	Black
<b>Software Support</b>	
<b>OS Information</b>	Win 7 Linux Win 8 Win 10
<b>Ordering Information</b>	
<b>Ordering Information</b>	BFC-1209-190-A4R Intel® Celeron® SoC J1900 2.0GHz D1 CPU/2G DDR3L/COM/2LAN/2USB/12~26V Input/12V Adaptor  E1702031833R USA Power Cord E1702031000R EU Power Cord E1702031834R Japan Power Cord E1702031830R UK Power Cord E1702031831R Australia Power Cord

## Assured Systems

Assured Systems is a leading technology company with over 1,500 regular clients in 80 countries, deploying over 85,000 systems to a diverse customer base in 12 years of business. We offer high-quality and innovative rugged computing, display, networking and data collection solutions to the embedded, industrial, and digital-out-of-home market sectors.

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