



## 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-      |                                                                              |
|---------------------------|------------------------------------------------------------------------------|
| Processor                 | Intel® Celeron® J1900 4-Core 2.0GHz processor                                |
| Platform Controller Hub   | Intel® Valleyview SoC                                                        |
| System Memory             | 1 x 204-Pin DDR3L 1066/1333MHz SO-DIMM up to 8 GB                            |
| I/O Chipset               | EC ITE IT8528E                                                               |
| Watchdog Timer            | H/W Reset: 1sec.~255min. and 1sec. or 1min./step                             |
| H/W Status Monitor        | Monitoring System Temperature and Voltage with Auto Throttling Control       |
| SBC                       | EBM-BYT                                                                      |
| Expansion                 |                                                                              |
| Expansion                 | 1 x Mini PCIe<br>1 x Mini PCIe Supports mSATA                                |
| Storage                   |                                                                              |
| Storage                   | 1 x CompactFlash Type I/II Socket<br>1 x 2.5" Drive Bay                      |
| Panel                     |                                                                              |
| LCD Size                  | 12.1", 4:3                                                                   |
| Resolution                | 1024x768                                                                     |
| Pixel pitch               | 0.240mm (H) x 0.240mm (V)                                                    |
| Luminance                 | 600cd/m2                                                                     |
| Contrast ratio            | 1000                                                                         |
| Viewing angle             | 89 (U), 89 (D), 89 (L), 89 (R)                                               |
| Response time             | 16ms                                                                         |
| Backlight                 | LED                                                                          |
| Touch Type                | Projective Capacitive                                                        |
| Touch Light Transmission  | 86 %                                                                         |
| Touch Controller          | USB touch (EETI)                                                             |
| I/O                       |                                                                              |
| USB Port                  | 1 x USB 2.0<br>1 x USB 3.0                                                   |
| COM Port                  | 1 x RS-232/422/485                                                           |
| Display                   |                                                                              |
| Graphic Chipset           | Intel® Valleyview SoC integrated Graphics<br>Supports dual display           |
| Spec. & Resolution        | HDMI:Max. resolution 1920x1200@ 60Hz<br>LVDS:Max. resolution 1920x1200@ 60Hz |
| Audio                     |                                                                              |
| Audio Codec               | Realtek ALC888S<br>supports 5.1-CH                                           |
| Audio Interface           | Line-Out                                                                     |
| Certifications            |                                                                              |
| Certification Information | CE / FCC Class B                                                             |
| Ethernet                  |                                                                              |
| LAN Chipset               | 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<br>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,<br>5 ~ 500Hz, 30min/axis                                                                                                                                                                                                       |
| <b>Shock Test</b>                     | With CF/SSD : 10Grms, IEC 60068-2-27,<br>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<br>Linux<br>Win 8<br>Win 10                                                                                                                                                                                                                                                |
| <b>Ordering Information</b>           |                                                                                                                                                                                                                                                                                  |
| <b>Ordering Information</b>           | BFC-1209-190-A4R<br>Intel® Celeron® SoC J1900 2.0GHz D1 CPU/2G DDR3L/COM/2LAN/2USB/12~26V Input/12V Adaptor<br><br>E1702031833R USA Power Cord<br>E1702031000R EU Power Cord<br>E1702031834R Japan Power Cord<br>E1702031830R UK Power Cord<br>E1702031831R Australia Power Cord |

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