



BFC-1208

**12.1" 4th Gen Intel® ULT Core™ Processor i7/i5/i3
Fanless Full Flat Multi-Touch Panel PC**

- > Onboard 4th Gen Intel® ULT Core™ i5 4300U 1.9GHz BGA Processor
- > Full Flat Front Panel with Projected Capacitive Touch Supports Multi Touch
- > 2 x Intel® Gigabit Ethernet, 5.1-CH Audio
- > 1 HDMI, 1 CF, 2 USB 3.0, 1 COM
- > 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 | |
|----------------------------------|--|
| Processor | 4th Gen Intel® Core™ i5-4300U, 2-Core, 1.9GHz processor |
| System Chipset | Intel® Lynx Point-LP PCH |
| System Memory | 2 x 204-Pin DDR3L 1333MHz SO-DIMM up to 16GB or 204-Pin DDR3L 1600MHz SO-DIMM |
| I/O Chip | EC ITE IT8528E |
| Watchdog Timer | H/W Reset: 1sec.~255min. and 1sec. or 1min./step |
| H/W Status Monitor | Monitoring CPU & System Temperature and Voltage |
| SBC | EBM-QM87U |
| Expansion | |
| Expansion | 1 x Mini PCIe Supports mSATA 1 x Mini PCIe Supports SIM Card |
| Storage | |
| Storage | 1 x CompactFlash Type III Socket 1 x 2.5" Drive Bay |
| I/O | |
| USB | 2 x USB 3.0 |
| COM Port | 1 x RS-232/422/485 (Selected by BIOS; additional setting for RS-485 mode by SW2) |
| Display | |
| Chipset | Intel® Lynx Point Integrated Graphics Supports dual display |
| Resolution | HDMI:Max. resolution 4096x2304@ 24Hz |
| Audio | |
| Chipset | Realtek ALC892 supports 5.1-CH |
| Audio Interface | Mic-In, Line-In, Line-Out, Speak-out |
| Ethernet | |
| Chipset | 1 x Intel® I210AT 1 x Intel® I218LM |
| Ethernet Interface | 10/100/1000 Base-Tx GbE compatible |
| LAN Port | 2 x RJ-45 |
| Mechanical & Environmental | |
| Operating Temp | 0°C ~ 40°C (32°F ~ 104°F) |
| Storage Temp | -10°C ~ 50°C (14°F ~ 122°F) |
| Operating Humidity | 5% ~ 90% Relative Humidity, Non-condensing |
| Weight | 3.8Kgs |
| Dimension (L x W x H) | 292.9 x 225.4 x 49mm |
| Vibration Test | With SSD/mSATA : 1.5Grms, IEC 60068-2-64, Random, 5 ~ 500Hz, 30min/axis |
| Shock Test | With CF/SSD : 10Grms, IEC 60068-2-27, Half Sine, 11ms |
| System Fan | Fanless |
| Construction - Front | Silver Aluminum |
| Construction - Rear | Black |
| Certifications | |
| Certification Information | CE / FCC Class B |
| Software Support | |
| OS Information | Win 7 Win 8 Win 10 Linux |
| Power Requirement | |



| | |
|---------------------------------|---|
| Power Connector | Lockable DC Jack |
| Power Requirement | +12V ~ +26V |
| Power Mode | AT/ATX |
| Adapter | Input: 100 ~ 240Vac/ 50 ~ 60Hz Output: 60W Adapter (12V @ 5A Adapter) |
| Panel | |
| LCD Size | 12.1", 4:3 |
| Display Type | XGA |
| Resolution | 1024x768 |
| Pixel pitch | 0.240mm (H) x 0.240mm (V) |
| Luminance | 600cd/m2 |
| Contrast ratio | 700 |
| Viewing angle | 70 (U), 70 (D), 80 (L), 80 (R) |
| Response time | 16ms |
| Backlight | LED |
| Touch Type | Projective Capacitive support up to 10 points multi-touch |
| Touch Light Transmission | 88 % |
| Touch Controller | USB touch (EETI) |

 Ordering

BFC-1208-430-A1R
 BFC-120 w/4300 1.9G/4GR/SPK/PCT/2LAN