



## 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	
<b>Processor</b>	4th Gen Intel® Core™ i5-4300U, 2-Core, 1.9GHz processor
<b>System Chipset</b>	Intel® Lynx Point-LP PCH
<b>System Memory</b>	2 x 204-Pin DDR3L 1333MHz SO-DIMM up to 16GB or 204-Pin DDR3L 1600MHz SO-DIMM
<b>I/O Chip</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-QM87U
Expansion	
<b>Expansion</b>	1 x Mini PCIe Supports mSATA 1 x Mini PCIe Supports SIM Card
Storage	
<b>Storage</b>	1 x CompactFlash Type III Socket 1 x 2.5" Drive Bay
I/O	
<b>USB</b>	2 x USB 3.0
<b>COM Port</b>	1 x RS-232/422/485 (Selected by BIOS; additional setting for RS-485 mode by SW2)
Display	
<b>Chipset</b>	Intel® Lynx Point Integrated Graphics Supports dual display
<b>Resolution</b>	HDMI:Max. resolution 4096x2304@ 24Hz
Audio	
<b>Chipset</b>	Realtek ALC892 supports 5.1-CH
<b>Audio Interface</b>	Mic-In, Line-In, Line-Out, Speak-out
Ethernet	
<b>Chipset</b>	1 x Intel® I210AT 1 x Intel® I218LM
<b>Ethernet Interface</b>	10/100/1000 Base-Tx GbE compatible
<b>LAN Port</b>	2 x RJ-45
Mechanical & Environmental	
<b>Operating Temp</b>	0°C ~ 40°C (32°F ~ 104°F)
<b>Storage Temp</b>	-10°C ~ 50°C (14°F ~ 122°F)
<b>Operating Humidity</b>	5% ~ 90% Relative Humidity, Non-condensing
<b>Weight</b>	3.8Kgs
<b>Dimension (L x W x H)</b>	292.9 x 225.4 x 49mm
<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
Certifications	
<b>Certification Information</b>	CE / FCC Class B
Software Support	
<b>OS Information</b>	Win 7 Win 8 Win 10 Linux
Power Requirement	



<b>Power Connector</b>	Lockable DC Jack
<b>Power Requirement</b>	+12V ~ +26V
<b>Power Mode</b>	AT/ATX
<b>Adapter</b>	Input: 100 ~ 240Vac/ 50 ~ 60Hz Output: 60W Adapter (12V @ 5A 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>	600cd/m2
<b>Contrast ratio</b>	700
<b>Viewing angle</b>	70 (U), 70 (D), 80 (L), 80 ( R)
<b>Response time</b>	16ms
<b>Backlight</b>	LED
<b>Touch Type</b>	Projective Capacitive support up to 10 points multi-touch
<b>Touch Light Transmission</b>	88 %
<b>Touch Controller</b>	USB touch (EETI)

 Ordering

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