



## BFC-1232

### 12.1" 6th Gen Intel® ULT Core™ Processor i7/i5/i3 Fanless Full Flat Multi-Touch Panel PC

- > Onboard 6th Gen Intel® ULT Core™ i5 6300U 2.4GHz BGA Processor
- > Full Flat Front Panel with Projected Capacitive Touch Supports Multi Touch
- > 2 x Intel® Gigabit Ethernet, 5.1-CH Audio
- > 1 HDMI, 6 USB 3.0, 3 COM
- > Fanless System & VESA Compliance
- > Wide Voltage +12V ~ +26V Input, ErP Power
- > Timer-Power-On
- > Front Side IP65 Dust and Water Proof

#### + Spec

| -System Information-             |   |
|----------------------------------|---|
| <b>Processor</b>                 | 6th Gen Intel® Core™ i5-6300U, 2-Core, 2.4GHz processor         |
| <b>System Memory</b>             | 1 x 260-Pin DDR4 2133MHz SO-DIMM up to 16 GB                    |
| <b>I/O Chipset</b>               | EC ITE IT8528E  |
| <b>Watchdog Timer</b>            | H/W Reset, 1sec. ~ 65535min. and 1sec. or 1min./step            |
| <b>H/W Status Monitor</b>        | Monitoring CPU & System Temperature and Voltage                 |
| <b>SBC</b>                       | EBM-SKLU  |
| Expansion                        |   |
| <b>Expansion</b>                 | 1 x Mini PCIe Supports mSATA<br>1 x Mini PCIe Supports SIM Card |
| Storage                          |   |
| <b>Storage</b>                   | 1 x 2.5" Drive Bay  |
| Panel                            |   |
| <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>            | 1000  |
| <b>Viewing angle</b>             | 89 (U), 89 (D), 89 (L), 89 (R)                                  |
| <b>Response time</b>             | 11ms  |
| <b>Backlight</b>                 | LED   |
| <b>Touch Type</b>                | Projective Capacitive support up to 10 points multi-touch       |
| <b>Touch Light Transmission</b>  | 89 %  |
| <b>Touch Controller</b>          | USB touch (EETI)  |
| I/O                              |   |
| <b>USB Port</b>                  | 4 x USB 3.0   |
| <b>COM Port</b>                  | 2 x RS-232/422/485<br>1 x RS-232                                |
| <b>HDMI</b>                      | 1x HDMI   |
| Display                          |   |
| <b>Graphic Chipset</b>           | Intel® Skylake U SoC integrated Graphics                        |
| <b>Spec. &amp; Resolution</b>    | HDMI:Max. resolution 4096x2304@ 24Hz                            |
| Audio                            |   |
| <b>Audio Codec</b>               | Realtek ALC233<br>supports 2.1-CH                               |
| <b>Audio Interface</b>           | Line-Out and Amp.   |
| Certifications                   |   |
| <b>Certification Information</b> | CE / FCC Class B  |
| Ethernet                         |   |
| <b>LAN Chipset</b>               | 1 x Intel® I210AT<br>1 x Intel® I219LM                          |
| <b>Ethernet Interface</b>        | 10/100/1000 Base-Tx GbE compatible                              |
| <b>LAN Port</b>                  | 2 x RJ-45   |
| Power Requirement                |   |
| <b>DC Input</b>                  | +12V ~ +26V   |
| <b>DC Input Connector</b>        | Customized  |



|                                       |   |
|---------------------------------------|---|
| <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>             | 5% ~ 90% Relative Humidity, Non-condensing  |
| <b>Dimension (W x L x H)</b>          | 292.9 x 225.4 x 50.14mm   |
| <b>Weight</b>                         | 3.8Kgs  |
| <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<br>Win 10<br>Linux  |
| <b>Ordering Information</b>           |   |
| <b>Ordering Information</b>           | BFC-1232-630-A1R<br>6th Gen Intel® ULT Core i5 6300U 2.4GHz/2LAN/3COM/6USB/12~26V Input/12V Adaptor |