



Features

- Onboard Intel® Celeron® SoC J1900 2.0 GHz BGA Processor
- Full Flat Front Panel with Projected Capacitive Touch Supports Multi Touch
- Intel® 1211AT Gigabit Ethernet, 5.1-CH Audio
- 1 x HDMI, 1 x COM, 1 x CF Slot, 2 x 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

CH5

Applied Panel PC-APC/BFC Series



Specifications

Panel

LCD Size	12.1", 4:3
Resolution	1024 x 768
Pixel pitch	0.240mm (H) x 0.240mm (V)
Luminance	600cd/m ²
Contrast ratio	700
Viewing angle	70 (U), 70 (D), 80 (L), 80 (R)
Response time	16ms
Backlight	LED
Touch Type	Projective Capacitive
Touch Light Transmission	86%
Touch Controller	USB touch (EETI)

System

SBC	EBM-BYT
Processor	Intel® Celeron® SoC J1900 4-Core 2.0 GHz
System Chipset	Intel® Valleyview SoC
I/O Chipset	EC ITE IT8528E
System Memory	1 x 204-Pin DDR3L 1066MHz SO-DIMM up to 8 GB or 204-Pin DDR3L 1333MHz SO-DIMM up to 8 GB Processor E3845 only support 1333MHz
Watchdog Timer	H/W Reset: 1sec.~255min. and 1sec. or 1min./step

Expansion & Storage

Expansion	1 x Mini PCIe 1 x Mini PCIe Supports mSATA
Storage	1 x CompactFlash Type I/II Socket 1 x 2.5" Drive Bay

I/O

USB	1 x USB 2.0 1 x USB 3.0
COM Port	1 x RS-232 1 x RS-232/422/485

Audio

Chipset	Realtek ALC892, Support 5.1-CH
Audio Interface	Line-Out

Ethernet

Chipset	2 x Intel® I211AT
Ethernet Interface	10/100/1000 Base-Tx GbE compatible
LAN Port	2 x RJ-45

Power Requirement

Power Requirement	+12V ~ +26V
Power Type	AT/ATX
Adapter	Input: 100 ~ 240Vac/ 50 ~ 60Hz Output: 60W Adapter (12V @ 5A Adapter) AC-DC Adapter

Mechanical & Environmental

System Fan	Fanless
Construction - Front	Silver Aluminum
Construction - Rear	Black
Dimension	292.9 x 225.4 x 49 mm
Weight	Kgs
Operating Temperature	-10°C ~ 40°C (14°F ~ 104°F)
Storage Temperature	-20°C ~ 50°C (-4°F ~ 122°F)
Operating Humidity	0% ~ 90% Relative Humidity, Non-condensing
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

Certifications & Software Support

Certification	CE
Information	FCC Class B
OS Information	Win 7, Win 8, Linux

Ordering Information

BFC-1209-190-A1R

Intel® Celeron® SoC J1900 2.0GHz / 2G DDR3L / 2LAN / COM / 2USB / 12~26V Input / 12V Adaptor