

BF-PC-BYT-0019

**Intel Celeron J1900/N2930 Quad-Core CPU
Embedded Fanless System w/ VGA/HDMI
LAN, 2SATAII, 2USB3/4USB2, 4COM, DC-IN**



Features

- With Intel Bay Trail-D Celeron Quad-Core J1900 2.0GHz CPU
- With Intel Bay Trail-M Celeron Quad-Core N2930 1.86GHz CPU
- Embedded Fanless Mini-ITX Low Power System
- Supports VESA Mount 75/100 and wall mount by option kits
- Dual independent display VGA/HDMI, single LAN
- System switch, power LED, HDD LED, 2USB on front bezel
- Front bezel, option COM, COM2, COM3 and COM4
- 2x USB 3.0, 4x USB 2.0 (Total up to 10 USB)
- DC 9-19V Input
- 0°C ~ 60°C harsh operation environment

Specifications

	CPU	BF-PC-BYT-0019/A	BF-PC-BYT-0019/B
Processor System	Max. Speed(Core)	2.0GHz(Quad core)	1.86GHz(Quad core)
	L2 Cache	2MB	
	CPU/Power	Celeron J1900	Celeron N2930
	BIOS	AMI 16Mb AMI UEFI with GUI support	
	Processor Heatsink	Fanless Heatsink (Total 10W)	Fanless Heatsink (Total 7.5W)
Expansion Slot	Mini-PCIe	1 x half-size	
	mSATA	1 x Mini-PCIe full-size	
Memory	Specification (SO-DIMM)	2 x DDR3-1333	
	System Max. Capacity	16 GB	
Graphics	VGA	1xVGA(1920x1200)	
	HDMI	1 x HDMI (1920 x 1200)	
	LVDS	1x Dual-channel 24-bit (on-board)	
	Dual Display	VGA / HDMI	
Ethernet	Interface Controller	Realtek RTL8111E-VL	
	Connector	RJ-45	
SATA	Max Data Transfer Rate	300 MB/s	
	SATA2	2 x SATA2	
System Rear I/O	VGA	1 x DB-15	
	HDMI	1 x HDMI	
	Ethernet	1 x RJ45	
	USB Type A	2 x USB 3.0, 2 x USB 2.0	
	Audio	1 x Audio ports (Mic-in, Line-out)	
	System Power Input	1 x DC-Jack, 9-19Vdc Input	
Option D-SUB USB On front bezel	Option COM1	1 x DB-9 (RS-232/422/485), selectable by BIOS (jumper free)	
	Option COM2/3/4	3 x DB-9 (RS-232, 5V/12V selectable by jumper)	
	GPIO	1 x 2.54 PH for 8-bit GPIO	
	USB 3.0 / 2.0	2 x USB 3.0 and 2 x USB 2.0 by request	
System Front Bezel	Power-On Button	1x Moment button switch to turn-on system	
	System Power LED	1x LED for system power status	
	HDD LED	1x LED for SATA HDD data access status	
	Option COM	4 x DB-9 for options	
	USB	2 x USB 2.0 type A	
Operation System	Windows XP, XP 64bit	N/A	
	Win 7, Win 7 Pro 32bit	Available soon	
	Win 8.1, Win 8 64bit	Win 8.1/8 64bit	
Watchdog Timer	Output and Interval	System reset, programmable 1 ~ 255 sec/min; 1 sec. or 1min. /step	
Power Requirement	DC Input	9-19Vdc input (option DC12V 50W adapter)	
Environment	Temperature	Operating	None-operating
		0 ~ 50°C (32 ~ 122°F)	-40 ~ 85°C (-40 ~ 185°F)
Physical Size	Dimensions	200mm(W) x 200mm(D) x 40mm(H)	
Packing Size	Dimensions	300mm(W) x 280mm(D) x 140mm(H)	
Weight	N.W	2.0Kg	
	G.W	2.5Kg	

Dimensions Outlook



Supports VESA Mount 75/100, Wall Mount, 2.5" HDD Plate



Ordering Information

Part Number	CPU	Chip	VGA	HDMI	GbE	USB 3.0	USB 2.0	COM1(option)	COM2-4(option)	Memory	2.5" HDD
BF-PC-BYT-0019/A	J1900 Celeron 2.0G		1	1	1	2	4	N/A	N/A	N/A	N/A
BF-PC-BYT-0019/B	N2930 Celeron 1.8G		1	1	1	2	4	N/A	N/A	N/A	N/A
BF-PC-BYT-0019/C	J1900 Celeron 2.0G		1	1	1	2	4	RS-232/422/485	RS-232	2GB	64GB
BF-PC-BYT-0019/D	J1900 Celeron 2.0G		1	1	1	2	4	RS-232/422/485	RS-232	4GB	64GB

Optional Items

Part Number	Description
Chassis Vesa	Chassis VESA Mount 75/100 & Wall Mount Bracket Kits, Black, with Screws
Chassis Wall	Chassis Wall Mount Bracket Kits, Black, with Screws
COM-140-L25	COM cable with 2x5,10-pin 2.0 pitch box connector and D-SUB9 male connector, L=25cm
SODIMM-DDR3-2GB / 4GB	204-Pin SODIMM DDR3-1333, 2GB / 4GB (1.5V)
SODIMM-DDR3-4GBL / 8GBL	204-Pin SODIMM DDR3-1333, 4GB / 8GB (1.35V)
SSD3-032 / SSD3-064	2.5" SATA 3 (6Gb/s) SSD MLC, 32GB / 64GB
SSD2-032 / SSD2-064	2.5" SATA 2 (3Gb/s) SSD MLC, 32GB / 64GB
AC-DV 12V	AC-DV 12V 60W Adapter, 90V-264Vac input by C14 socket, DC 12V@5A output with DC Jack connector