



### Features

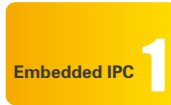
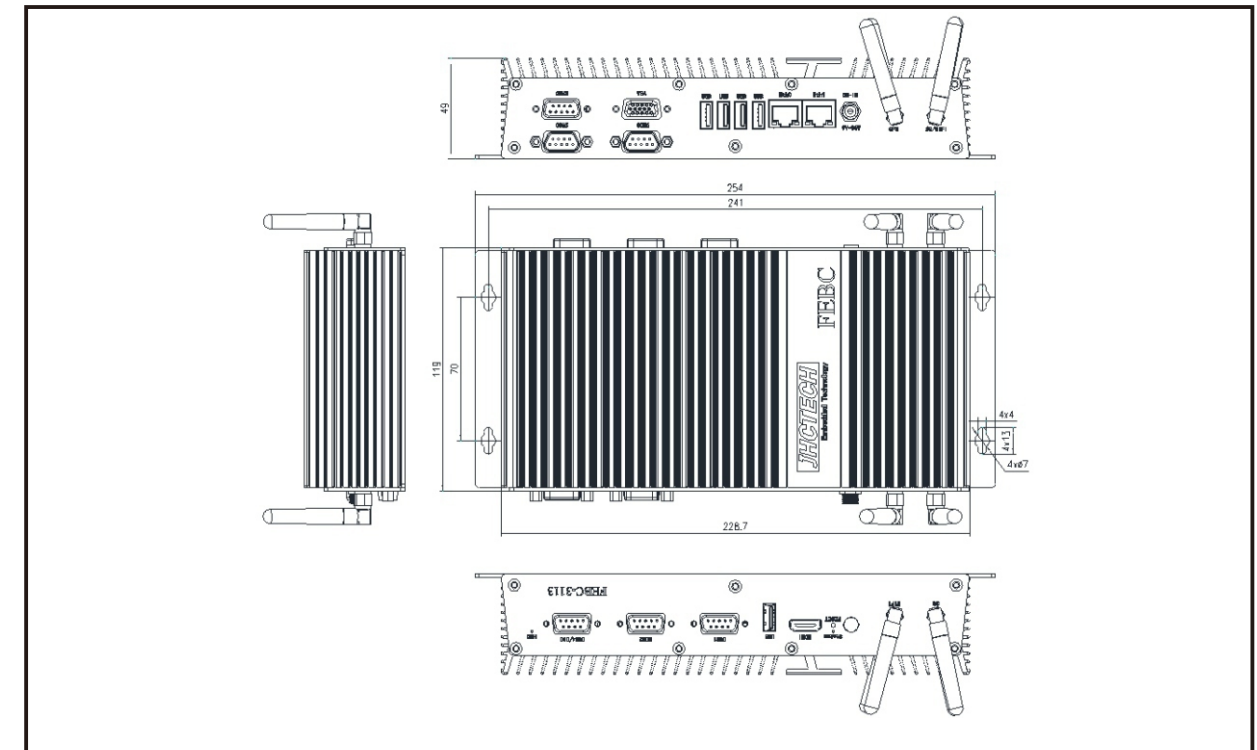
- Ultra low power consumption
- Fanless cooling design
- Intel Celeron J1900 4Core 2.41GHz
- onboard DDR3L 1333MHz 4GB
- 3\*Mini PCIe Card support WIFI, 3G, mSATA
- VGA and HDMI dual displays
- 2G-LAN/6COM/5USB/8bit DIO
- 1SATA 2.5' HDD, 1mSATA 1microSD storage
- DC 9-36V wide voltage input

### SPEC.

System	CPU	Intel® Celeron J1900 2.0 to 2.41GHz processor, 4C4T, 2M cache, 22nm, TDP 10W	
	RAM	Onboard 4 GB DDR3L 1333MHz	
	Expansions	3*Mini PCIe, 2* PCIe x1 and USB( with SIM), WIFI\3G\GPS module,1*SATA2, support Msata disk	
	Display	VGA and HDMI, CPU Integrated Intel HD Graphics, Synchronous or asynchronous display	
	M/K	USB	
	LAN	Intel I210-IT chipset, 10/100/1000Mbps 2*RJ-45 ports	
	SSD	mSATAx1 16G to 512G, micro SDx1 support TF storage card	
	HDD	2.5" HDD Bay, support 1* SATA2 and 2.5 inch HDD of 3Gb/s	
	COM	RS-232/422/485x4(jumper setting ), RS-232x2	
	USB	4*USB 2.0, 1*USB3.0	
System control	power light	*1, reset switch *1	
	LED indicator	Power light *1, HDD light *1	
	Watch dog timer	System timer reset/interruption	
power	DC input	: built in DC-DC converter (default )	
	input voltage	: 9-36V, TDP 12V@1.37A typical 12V@0.70A	
	AC input	: power adapter (option )	
OS	input voltage	:100VAC ~ 240VAC@50 ~ 60Hz	
	OS	Windows 7, Windows 8, Linux Fedora Ubuntu	
Option		WIFI, 3G and GPS	
Mechanical	Structure	Aluminum-case, Wrinkle-shape for cooling	
	Color	Silver	
	Installation	On-wall , desktop, VESA	
	Size	228.7*119*49mm	
	N.W	1.8Kg	
Environmental	Operation temperature	-10°C ~ 60°C – SSD (widely temperature supported )With out Airflow; -10°C ~ 50°C - HDD Without Airflow	
	Storage temperature	-20°C ~ 70°C (-4°F ~ 158°F)	
	Storage humidity	5~90%@40°C , non-condensing	
	Vibration		5 grms / 5 ~ 500Hz / in work status ( CFD ) ;
			1 grms / 5 ~ 500Hz in working status (built-in HDD module)
	Shock		50 g peak acceleration(11ms duration) (CFD) ;
		20 g peak acceleration (11ms duration) (Built-in HDD module)	
EMC		CE /FCC, Class A, UL	

### Dimensions

Unit : mm



### Order information

NO.	Instruction
FEBC-3113/S001	Fanless embedded computer, Celeron J1900, VGA&HDMI, 2*1000 Mbps Ethernets/6 COM/5 USB/ 8bit DIO
PA-60DC12	AC/DC Power adapter , DC12V/5A 60W