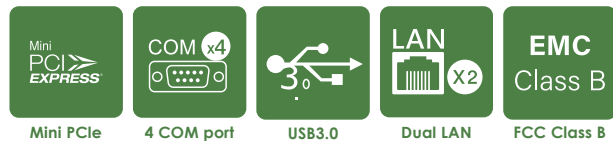
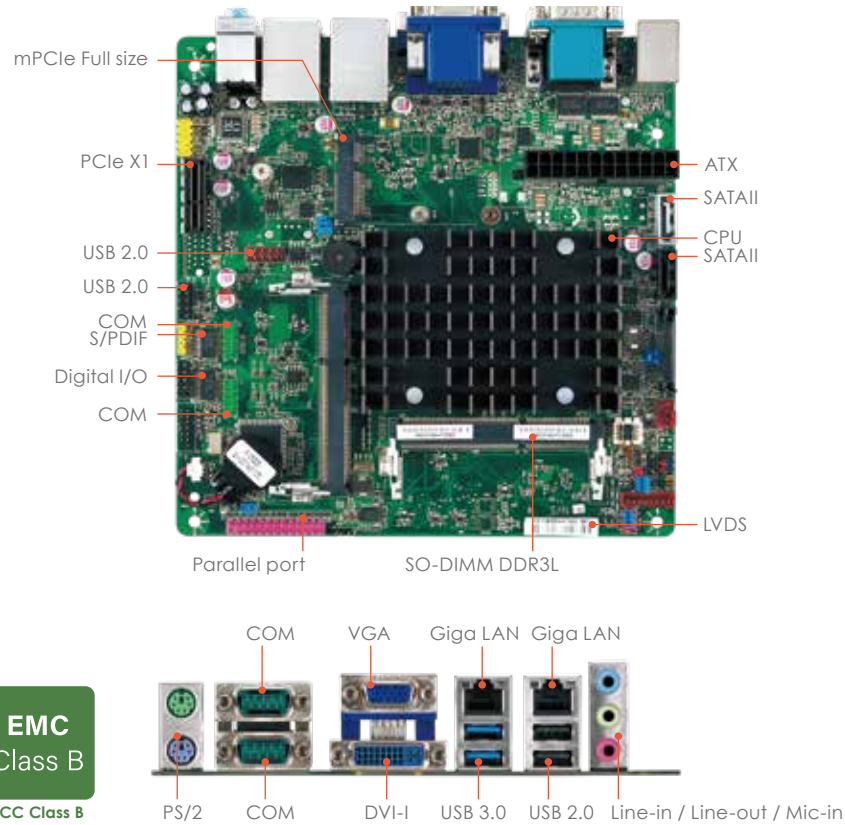


# PD11BI

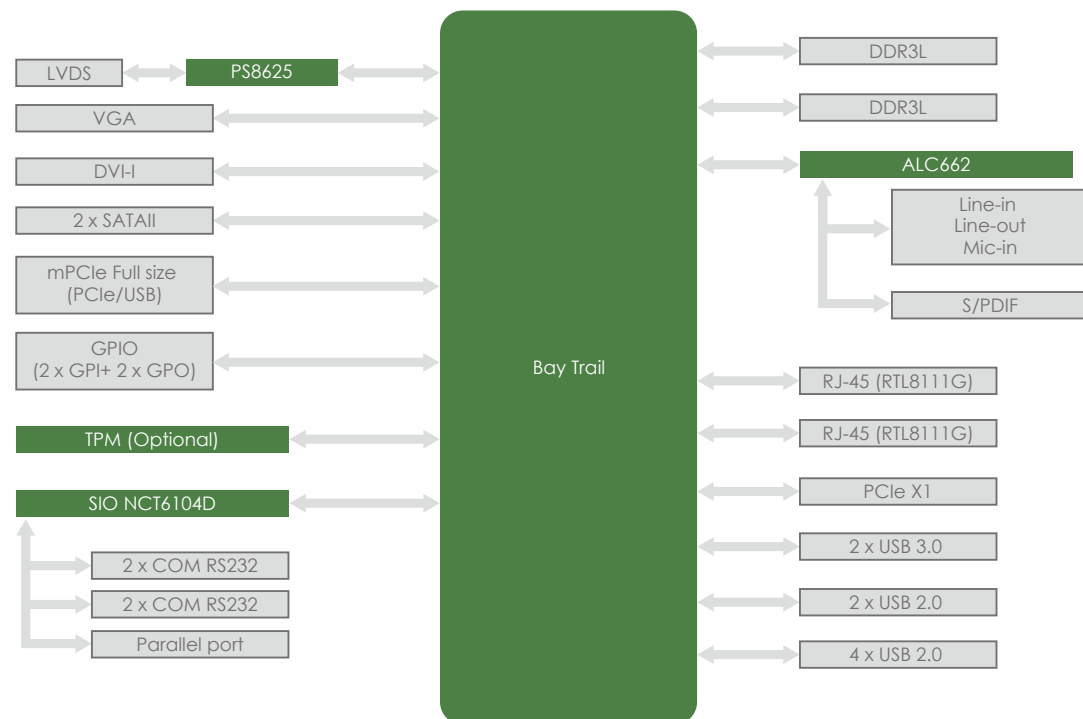
Mini-ITX Form Factor  
Intel® Bay Trail Processor

## Features

- Intel® Bay Trail Atom / Celeron / Pentium BGA processor
- 2 x DDR3L SO-DIMM and support up to 8GB
- Support triple display for VGA, DVI and LVDS
- Support 1 x PCIe X1 (Gen 2) slot and Mini PCIe slot
- 2 x SATA II
- 2 x Intel® Gigabit Ethernet
- 6 x USB 2.0, 2 x USB 3.0, 4 x COM and 1 x Parallel Port
- ATX power input



## Block Diagram



## PD11BI Mini-ITX

MECHANICAL	
Form Factor	Mini-ITX: 6.7" x 6.7" (170mm x 170mm)
SYSTEM	
Processor	Intel® Bay Trail-D J1900 Processor
Chipset	Intel® SoC Integrated
Memory	DDR3L 1333, 2 x 204-pin SO-DIMM, Max. 8 GB (Non-ECC)
Graphics	Intel® HD Graphics
Ethernet	2 x Realtek® RTL8111G Giga LAN
Audio	Realtek® ALC662
I/O Chipset	Nuvoton NCT6104D
TPM	—
Expansion Slot	1 x PCIe X1 slot 1 x Mini PCIe Full / Half size (PCIe / USB)
BIOS	AMI BIOS
H / W Monitor	Temperature Monitor, Voltage Monitor, Fan Monitor
Watchdog Timer	1~255 Steps by Software Program
Smart Fan Control	—
GRAPHICS	
VGA	Up to 1920 x 1200 @60 Hz
DVI	Up to 1920 x 1200 @60 Hz
HDMI	—
DisplayPort	—
LVDS	Up to 1920 x 1200 @60 Hz
eDP (Option)	—
REAR I/O	
USB	2 x USB 3.0, 2 x USB 2.0
Display I/O	1 x DVI-I, 1 x VGA
Audio I/O	1 x Mic-in, 1 x Line-in, 1 x Line-out
LAN I/O	2 x RJ-45
Serial Port	2 x RS232
PS/2 Port	2 x PS/2
Others	—
INTERNAL CONNECTORS	
Storage	2 x SATAII 4 x USB2.0
Display I/O	1 x LVDS 1 x Backlight Connector
Audio I/O	1 x S/PDIF header 1 x Front Audio Header (Mic-in / Line-out)
Serial Port	2 x RS232
PS/2 Port	—
Parallel Port	1 x Parallel Port Header
GPIO	Digital I/O (2 x Input / 2 x Output)
Fan	1 x 4PIN PWM Fan Header
Power	1 x ATX 24-pin
Others	1 x CMOS Jumper
POWER REQUIREMENT	
Power Input	ATX Power 24-pin (Optional: ATX Power 12V 4-pin)
ENVIRONMENTAL	
Operating Temperature	0 ~ 60°C (32 ~ 140°F)
Storage Temperature	-20 ~ 70°C (-4 ~ 176°F)
Operating Humidity	10% ~ 95% R/H, non-condensing
Certification	CE & FCC Class B, UL
OS	
OS Support	Windows® 7 32/64bit, Windows® 8.1 64bit, Windows® 10 64bit, Linux (support by request)

## Ordering Information

Model Number	Processor	DVI-I	VGA	LVDS	3-Stack Audio Jack	LAN	USB 3.0 / 2.0	PS/2	Serial Port	mPCIe	SATA	PCIe X1	Power
PD11BI-J1900	J1900	1	1	1	1	2	2 / 6	2	4	1	2	1	ATX Power 24-pin

## Packing List

Packing	
• 1 x Motherboard	• 1 x 50cm SATA Cable
• 1 X I/O Bracket	• 1 x Driver CD
	• 1 x Quick Guide