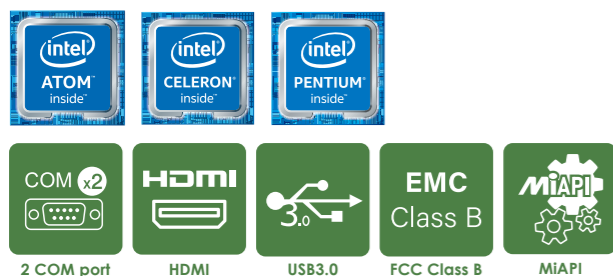
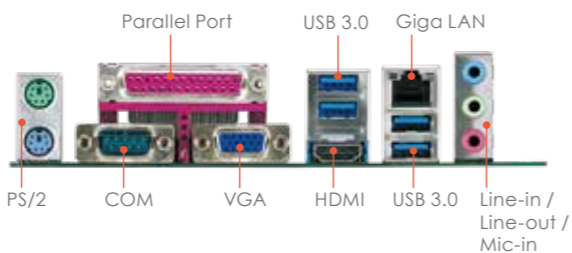
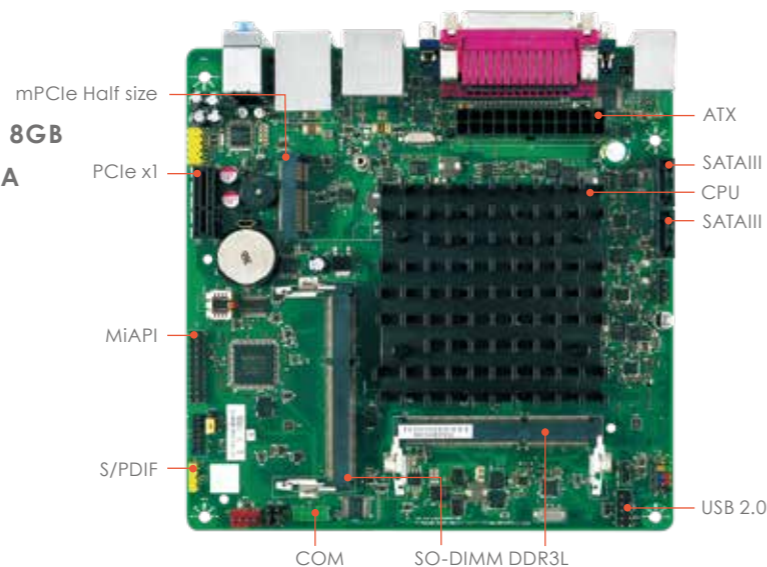


# PD14RI

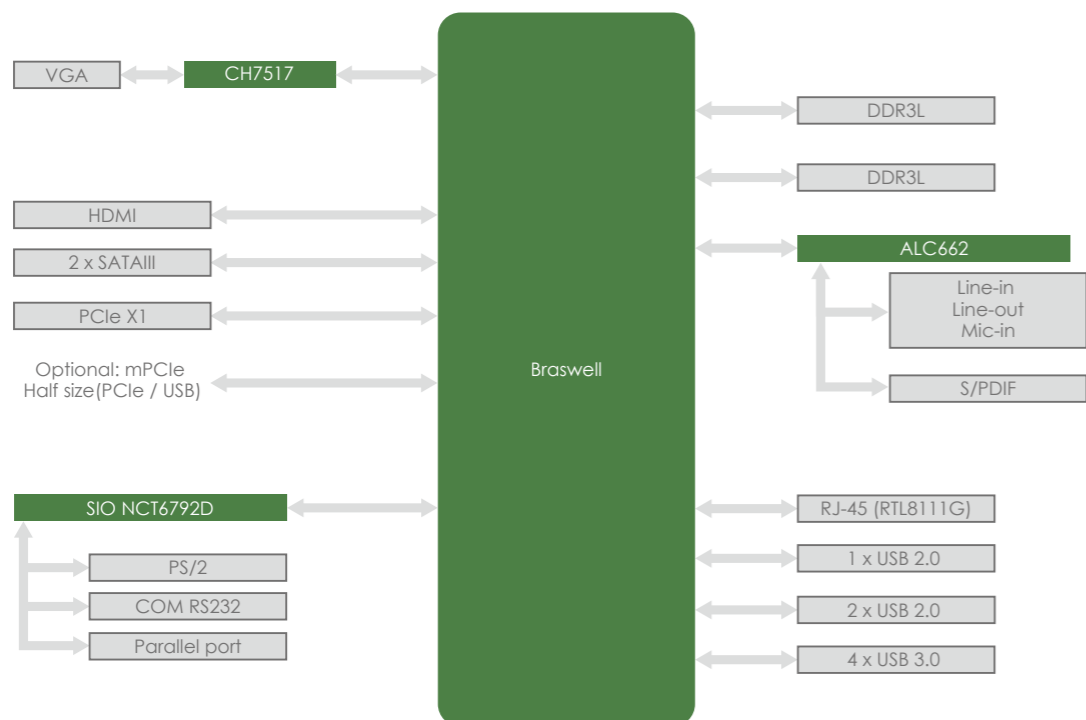
Mini-ITX Form Factor  
Intel® Braswell Processor

## Features

- Intel® Braswell Atom/Celeron/Pentium BGA processor
- 2 x DDR3L SO-DIMM and support up to 8GB
- Support dual display for HDMI and VGA
- Support 1 x PCIe X1 (Gen 2) slot and Mini PCIe slot
- 2 x SATA III
- 1 x Gigabit Ethernet
- 3 x USB 2.0, 4 x USB 3.0, 2 x COM and 1 x Parallel Port
- ATX power input



## Block Diagram



# PD14RI Mini-ITX

MECHANICAL	
Form Factor	Mini-ITX: 6.7" x 6.7" (170mm x 170mm)
SYSTEM	
Processor	Intel® Celeron® Processor N3060 (2M Cache, up to 2.48 GHz)
Chipset	Intel® SoC Integrated
Memory	DDR3L 1600MHz, 2 x 204-pin SO-DIMM, Max. 8GB (Non-ECC)
Graphics	Intel® HD Graphics
Ethernet	Realtek® RTL8111G Giga LAN
Audio	Realtek® ALC662
I/O Chipset	Nuvoton NCT6792D
TPM	Nuvoton NPCT650AAAWX (option)
Expansion Slot	1 x PCIe X1 slot Option: 1 x Mini PCIe Half size (PCIe / USB)
BIOS	64 Mbit SPI, AMI BIOS
H / W Monitor	Temperature Monitor, Voltage Monitor, Fan Monitor
Watchdog Timer	1 ~ 255 Steps by Software Program
Smart Fan Control	CPU Fan
GRAPHICS	
VGA	Up to 1920 x 1200 @60 Hz
DVI	—
HDMI	Up to 4K (3840 x 2160) @30 Hz
DisplayPort	—
LVDS	—
eDP (Option)	—
REAR I/O	
USB	4 x USB 3.0
Display I/O	1 x HDMI 1.4, 1 x VGA
Audio I/O	1 x Mic-in, 1 x Line-out, 1 x Line-in
LAN I/O	1 x RJ-45
Serial Port	1
PS/2 Port	2
Parallel Port	1
INTERNAL CONNECTORS	
Storage	2 x SATAIII
USB	3 x USB 2.0
Display I/O	—
Audio I/O	1 x Line-out
Serial Port	1 x RS232
PS/2 Port	—
Parallel Port	—
GPIO	1 x MiAPI Header (Programmable)
Fan	1 x 4-pin CPU Fan Connector
Power	1 x ATX 24-pin
Others	1 x Front Audio Header (Mic-in/Line-out)
POWER REQUIREMENT	
Power Input	ATX Power 24-pin
ENVIRONMENTAL	
Operating Temperature	0 ~ 60°C (32 ~ 140°F)
Storage Temperature	-20 ~ 70°C (-4 ~ 158°F)
Operating Humidity	10% ~ 95% R/H, non-condensing
Certification	CE & FCC Class B
OS	
OS Support	Windows® 7 32/64bit, Windows® 10 64bit Linux (support by request)

## Ordering Information

Model Number	Processor	VGA	HDMI	PS/2	USB 3.0 / 2.0	Parallel Port	SATA	Mic-in/ Line out/ Line-in	RS232	LAN	mini PCIe Full / Half size	PCIe x1	Power
PD14RI-N3060	1	1	1	2	4/3	1	2	1 / 1 / 1	2	1	0 / 0	1	ATX Power 24-pin
PD14RI-N3160	1	1	1	2	4/3	1	2	1 / 1 / 1	2	1	0 / 0	1	ATX Power 24-pin

## Packing List

Packing		
• 1 x Motherboard	• 1 x 50cm SATA Cable	• 1 x I/O Bracket