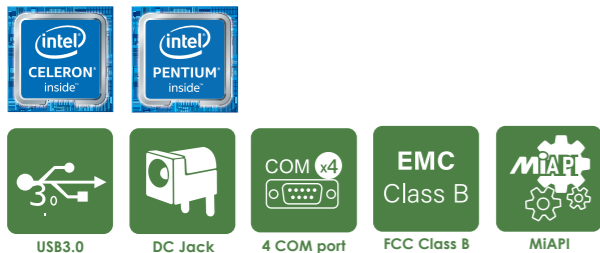
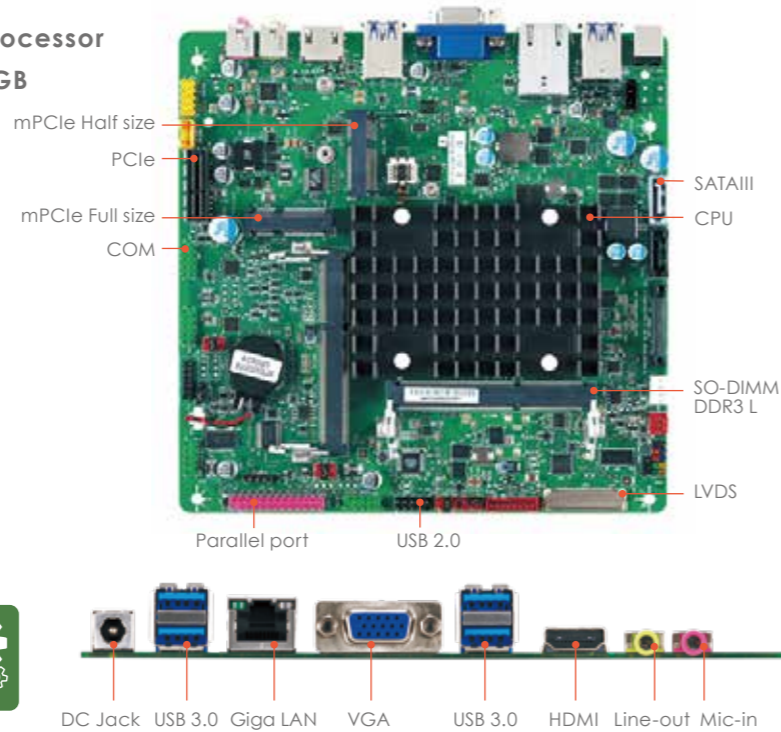


# PD10RI

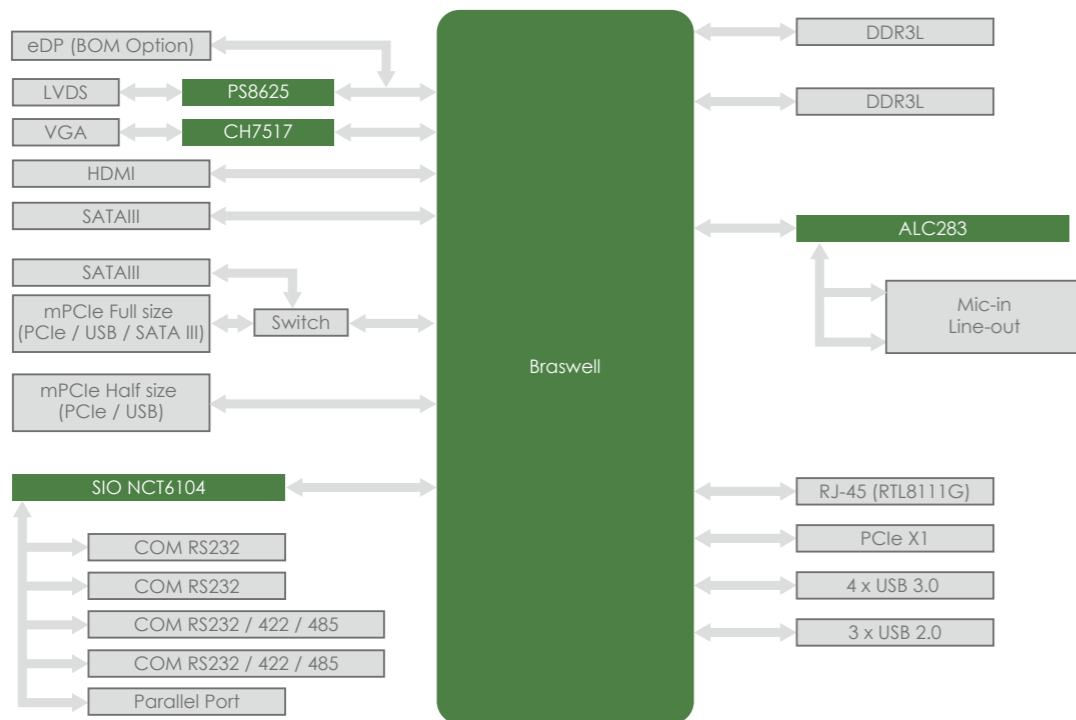
Thin Mini-ITX Form Factor  
Intel® Braswell Processor

## Features

- Intel® Braswell Celeron / Pentium BGA processor
- 2 x DDR3L SO-DIMM and support up to 8GB
- Support triple display for HDMI, VGA and LVDS / eDP
- Support 1 x PCIe X1 (Gen 2) slot and 2 x Mini PCIe slot
- 2 x SATAIII
- 1 x Gigabit Ethernet
- 3 x USB 2.0, 4 x USB 3.0 and 4 x COM
- 8V~24V wide voltage power input



## Block Diagram



# PD10RI Thin Mini-ITX

MECHANICAL	
Form Factor	Mini-ITX: 6.7" x 6.7" (170mm x 170mm)
SYSTEM	
Processor	Intel® Celeron® Processor N3160 (2M Cache, up to 2.24 GHz)
Chipset	Intel® SoC Integrated
Memory	DDR3L 1600MHz, 204-pin SO-DIMM x 2, Max. 8GB (Non-ECC)
Graphics	Intel® HD Graphics
Ethernet	Realtek RTL8111G Giga LAN
Audio	Realtek® ALC283
I/O Chipset	Nuvoton NCT6104D
TPM	—
Expansion Slot	1 x PCIe x1 slot 1 x Mini PCIe Full/Half size (PCIe / USB / SATA) 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 / System Fan
GRAPHICS	
VGA	Up to 1920 x 1200 @60 Hz
DVI	—
HDMI	Up to 4K (3840 x 2160) @30 Hz
DisplayPort	—
LVDS	Up to 1920 x 1200 @60 Hz
eDP (Option)	Up to 4K (4096 x 2304) @60 Hz
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
LAN I/O	1 x RJ-45
Serial Port	—
PS/2 Port	—
Others	1 x DC Jack
INTERNAL CONNECTORS	
Storage	2 x SATAIII
USB	3 x USB2.0
Display I/O	1 x LVDS, 1 x eDP 1 x Backlight Connector
Audio I/O	1 x Audio Header (Front panel Mic-in & Line-out)
Serial Port	4 x RS232
PS/2 Port	—
Parallel Port	1 (colay MiAPI function)
GPIO	—
Fan	1 x 4-pin CPU Fan Connector, 1x 4-Pin System Fan Connector
Power	1 x AT/ATX Mode Select Jumper, 1 x 2-pin Power Connector
Others	1 x CMOS Jumper
POWER REQUIREMENT	
Power Input	DC-in 8~24V(2.5mm/ ID, 5.5mm/ OD)/ ATX 2-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	VGA	HDMI	LVDS/eDP	USB 3.0 / 2.0	SATA	Mic-in / Line in	RS232	LAN	mPCIe Full / Half size	PCIe X1	Power
PD10RI-N3160	1	1	1/1	4/3	2	1/1	4	1	1/1	1	DC-in 8~24V

## Packing List

Packing	• 1 x Motherboard	• 1 x 50cm SATA Cable	• 2 x I/O Bracket (Half and Full Height)	• 1 x 45cm SATA Power Cable
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