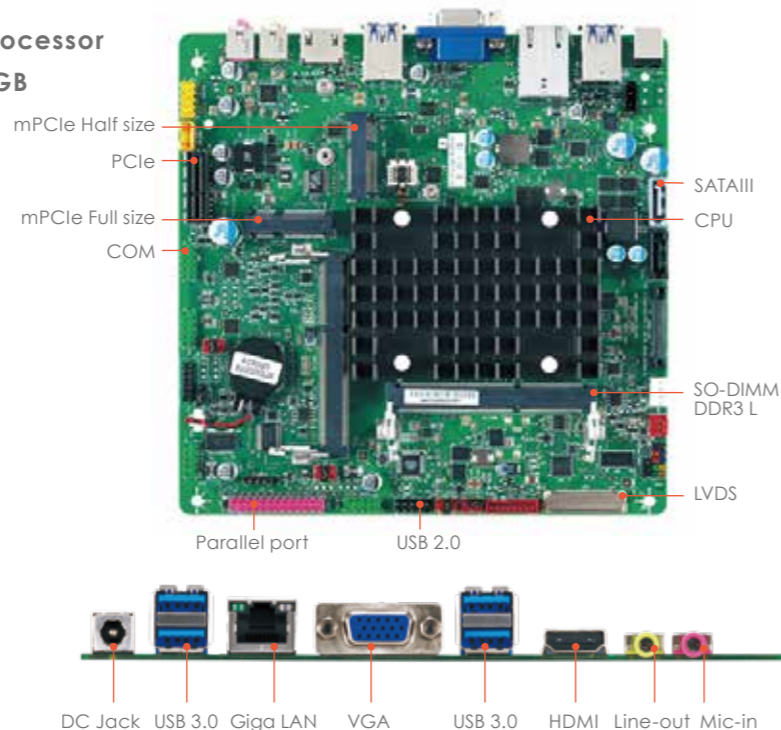


PD10RI

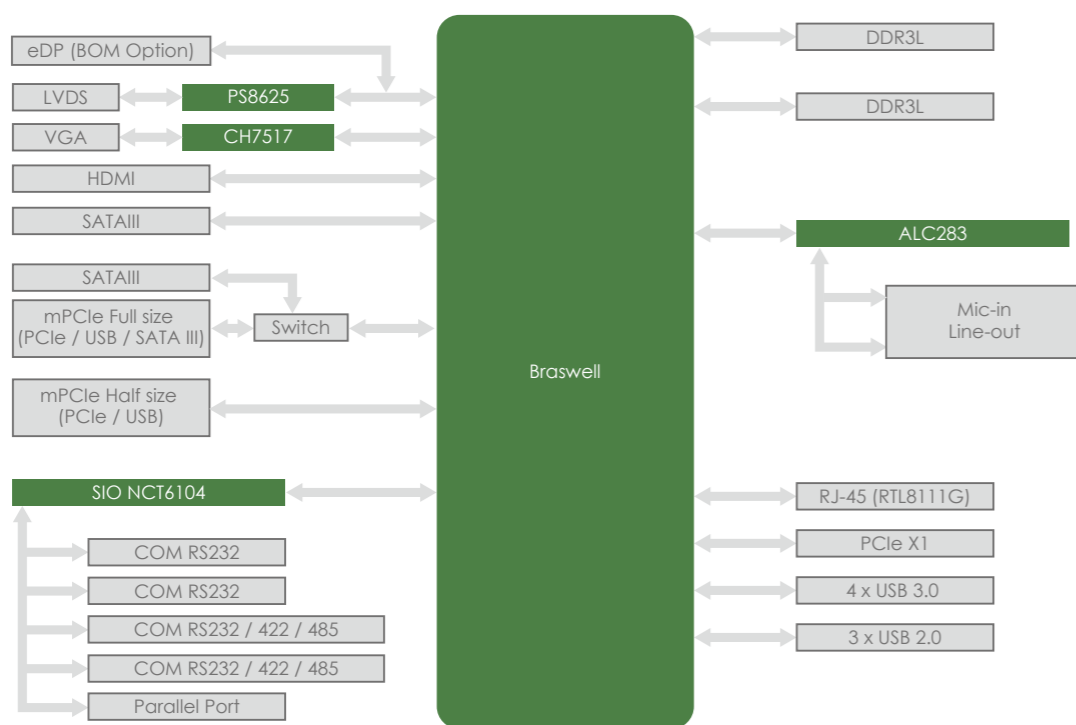
Thin Mini-ITX Form Factor
Intel® Braswell Processor

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 | • 1 x 45cm SATA Power Cable |
| • 2 x I/O Bracket (Half and Full Height) | • 1 x Driver CD | • 1 x Quick Guide |