

ThinMini-ITX Form Factor Intel Braswell Series

PD10RI MT



Power RS232
RS232/422/485



All Solid
Capacitor



Thin
Mini-ITX



Mini Card
support



High speed
USB3.0



DC-in
8V-24V



DN2800MT
Transition

Features

Intel Braswell N3160/J3160 quad cores processor

Intel HD graphics and DirectX 11 support

Dual channel DDR3L with two connectors for MAX. 8GB memory

Triple independent display from HD-Out, VGA, and Embedded Display-Port*/ LVDS connectivity

Features high speed Gigabit Ethernet connection

Features 2 SATA 3Gb/s

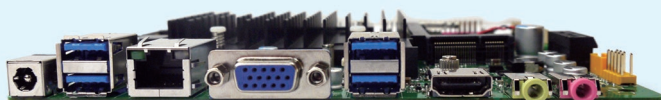
Four Hi-Speed USB3.0 ports support

Two Power RS232+Two RS232/422/485 ports

One PCIe connector for the future Add-in card

Two PCI Express Mini Card connector for expansion card

8 V to 24 V wide-range voltage input via back-panel DC jack or internal power connector

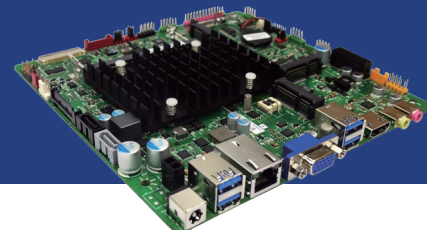


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Item	Spec
Form Factor	Low-profile Mini-ITX (20 millimeters [0.79inches] x 170.18 millimeters [6.7inches] x 170.18 millimeters [6.7 inches])
Processor Chipset	Intel Braswell N3160/J3160 Processor with integrated graphics <ul style="list-style-type: none"> Support for dual channel DDR3L 1066/1333 SO-DIMMs
Memory	<ul style="list-style-type: none"> Support for up to 8GB of system memory on a single SO-DIMM (or 4GB each by 2 SO-DIMM) 204-pin DDR3L SO-DIMM
Graphics	<ul style="list-style-type: none"> Integrated graphics: <ul style="list-style-type: none"> Digital Display (HD-out) Analog displays (VGA) Internal flat panel displays: <ul style="list-style-type: none"> LVDS Embedded Display-Port* eDP* External graphics support via a PCI Express 1.0a x1 graphics add-in card connector 2 + 2 Channel High Definition Audio (HD Audio) using a Realtek* ALC888S audio codec supporting: <ul style="list-style-type: none"> Analog stereo line-out (back panel jack) In-chassis stereo speakers support (3 W/3 Ω via an internal header)
Audio	
Expansion Capability	<ul style="list-style-type: none"> PCI Express x1 add-in card connector PCI Express Full-/Half-Mini Card slot PCI Express Half-Mini Card slot USB 2.0 front panel ports USB 3.0 back panel connectors (blue) SATA 3.0 Gb/s SATA 3.0 Gb/s port (multiplexed with an mSATA port, routed to the PCI Express Full-/Half-Mini Card slot) Legacy I/O Controller (NCT6683D) that provides: <ul style="list-style-type: none"> Powered RS232 Configurable RS232/422/485 Parallel port via an onboard header
Peripheral Interfaces	
Legacy I/O	
LAN Support	Realtek RTL8111G-CG Gigabit (10/100/1000 Mb/s) Ethernet LAN controller including an RJ-45 back panel connector with integrated status LEDs
BIOS	<ul style="list-style-type: none"> BIOS resident in a Serial Peripheral Interface (SPI) Flash device Support for Advanced Configuration and Power Interface (ACPI), and System Management BIOS (SMBIOS)
Hardware Management	<ul style="list-style-type: none"> Nuvoton NCT6104D based subsystem, including: <ul style="list-style-type: none"> Voltage sense to detect out of range power supply voltages Thermal sense to detect out of range thermal values 3-pin system fan header DC connectivity via back-panel DC jack(2.5mm/ ID, 5.5mm/ OD) Internal 2 pin power connector
Power Requirement	
Environment	<ul style="list-style-type: none"> Operating Temperature: 0 °C to +60 °C Storage Temperature: -20°C to +70°C
Safety	<ul style="list-style-type: none"> CE FCC

Packing List

- PD10RI Mainboard
- 50CM SATA Cable
- 45CM SATA Power Cable
- 2*IO Shield (Half and Full height)
- Driver CD
- Quick Guide