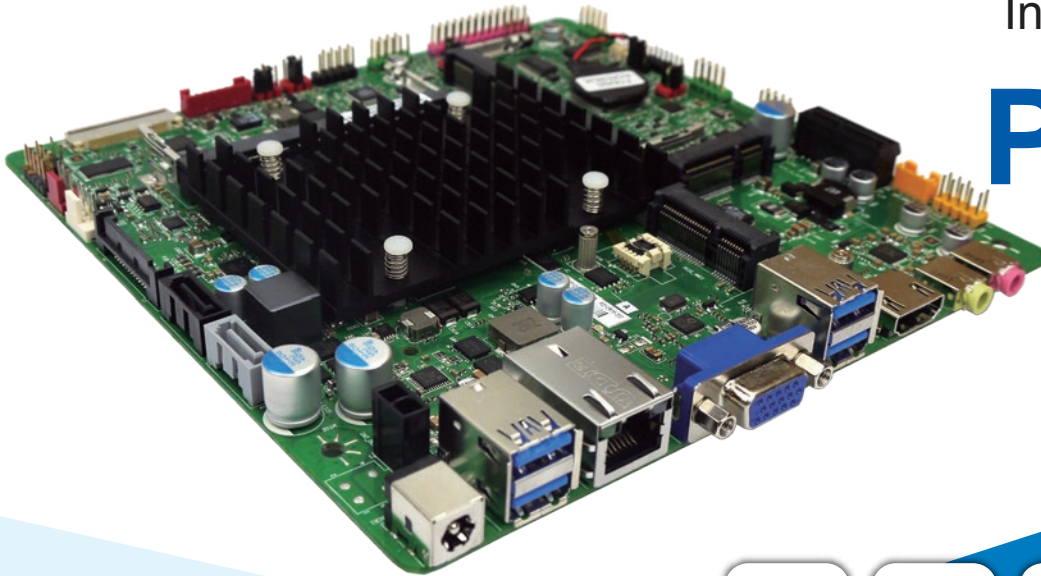


ThinMini-ITX Form Factor
Intel Braswell Series

PD10RI MT



Power RS232
RS232/422/485



All Solid
Capacitor



Thin
Mini-ITX



Mini Card
support



High speed
USB 3.0



DC-in
8V-24V



DN2800MT
Transition

Features

Intel Braswell N3160 / J3160 quad cores processor

Intel HD graphics and DriectX 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 3 Gb/s

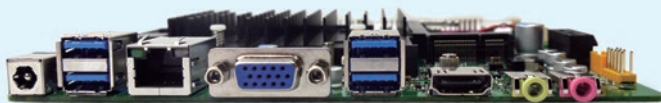
Four High Speed USB 3.0 ports support

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

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



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Item	Spec	SKU-B	SKU-D	SKU-i	
Form Factor	ThinMini-ITX, 6.7" x 6.7" (170mm x 170mm)	v	v	v	
Processor Chipset	Default (N3160), compatible for J3160 or N3060 / N3710	v	v	v	
Memory	Support for DDR3L 1866 MHz SO-DIMMs	v	v	v	
	Support for up to 8GB of system memory	v	v	v	
Audio Controller	204-pin DDR3L SO-DIMM	2	2	2	
	Realtek ALC283-GR audio codec	v	v	v	
Expansion Capability	PCI Express x 1 add-in card connector	1	1	1	
	PCI Express Full-/Half-Mini Card slot (PCIe / SATA / USB)	1	1	1	
	PCI Express Half-Mini Card slot (PCIe / USB)	1	1	1	
External I/O	HDMI	1	1	1	
	VGA out	1	1	1	
	Analog stereo line-out	1	1	1	
	Mic-in	1	1	1	
	RJ-45 (with integrated status LEDs)	1	1	1	
	USB 3.0	4	4	4	
	DC-in 8-24V (2.5 mm/ID, 5.5 mm/OD)	1	1	1	
	LVDS Connector (40Pin)		1	1	
	eDP Connector (40Pin)		1	1	
	Audio header to support system stereo speaker	1	1	1	
	2-pin PWR header	1	1		
	4-pin PWR header			1	
	USB 2.0 header	3	3	3	
	SATA3 6.0 Gb/s header	2	2	2	
	Internal I/O	SATA3 6.0 Gb/s port (multiplexed with an mSATA port, routed to the PCI Express Full-/Half-Mini Card slot)	1	1	1
		1 x COM1 + 1 x COM2 (Configurable for power RS-232)		1	1
		1 x COM3 + 1 x COM4 (Configurable for RS-232/422/485)			1
1 x Parallel port header (2 x 13)			1		
standard 4 pins header to support PWM system fan		1	1	1	
standard 3 pins header to support voltage control system fan		1	1	1	
MiAPI: Programmable header (support GPIO x 10, SMBUS x 1, UART x 1, Watchdog x 1) with API library supported for Windows OS				1	
SIO Controller		Nuvoton NCT6104D	v	v	v
LAN Controller		Realtek RTL8111G-CG Gigabit (10/100/1000 Mb/s)	v	v	v
BIOS		BIOS resident in a Serial Peripheral Interface (SPI) Flash device	v	v	v
	Support for Advanced Configuration and Power Interface (ACPI), and System Management BIOS (SMBIOS)	v	v	v	
Hardware Management	Nuvoton NCT6104D based subsystem, including:	v	v	v	
	Voltage sense to detect out of range power supply voltages	v	v	v	
	Thermal sense to detect out of range thermal values	v	v	v	
Environment	Operating Temperature: 0°C to +60°C	v	v	v	
	Storage Temperature: -20°C to +70°C	v	v	v	
Safety	CE	v	v	v	
	FCC	v	v	v	
Operating System	Windows 7 32bit / 64bit, Windows 8.1 64bit, Windows 10 64bit, Linux (support by request)				

Packing List

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