![MiTAC logo] **MiTAC**

MITAC INTERNATIONAL CORP.

ThinMini-ITX Form Factor
Intel Braswell Series

PD10RI
MT
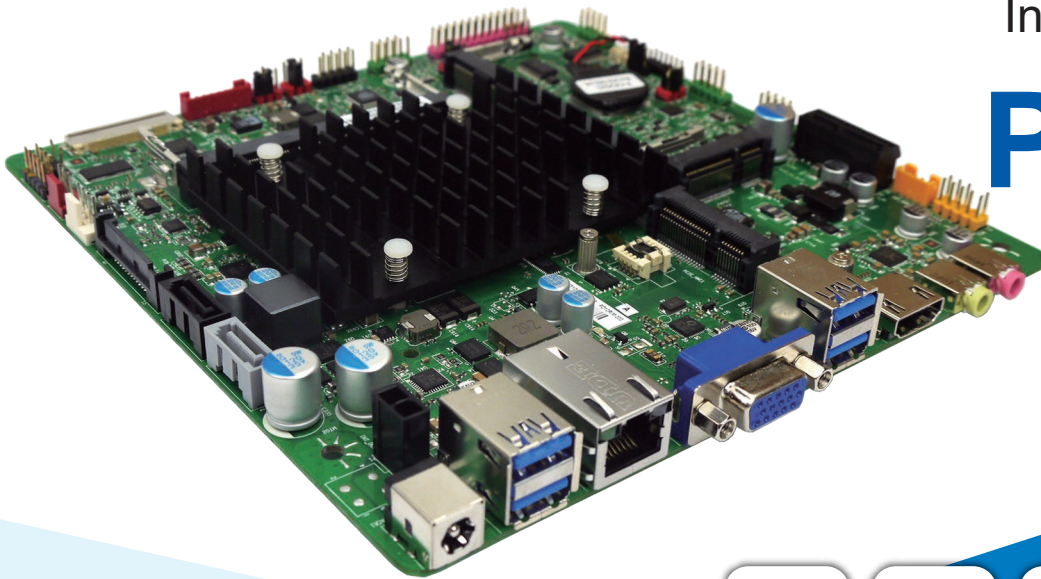
RS232 422/485

Power RS232 RS232/422/485

All Solid Capacitor

aio

Thin Mini-ITX

Mini PCI EXPRESS X2

Mini Card support

3 USB X4

High speed USB3.0

DC-in 8V-24V

MT

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
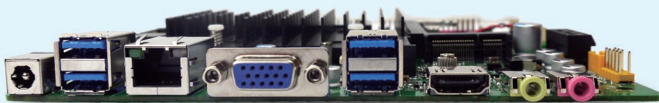
Features 2 SATA 3Gb/s
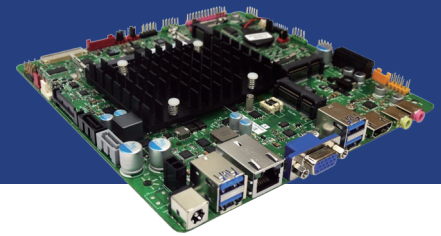
Four Hi-Speed USB3.0 ports support

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

www.mitac.com

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	
Memory	• Support for dual channel DDR3L 1066/1333 SO-DIMMs	
	• 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	2
Graphics	• Integrated graphics:	
	▪ Digital Display (HD-out)	
	▪ Analog displays (VGA)	
	▪ Internal flat panel displays:	
	◆ LVDS	
	◆ Embedded Display-Port* eDP*	
	• External graphics support via a PCI Express 1.0a x1 graphics add-in card connector	
Audio	• 2 + 2 Channel High Definition Audio (HD Audio) using a Realtek* ALC888S audio codec supporting:	
	▪ Analog stereo line-out (back panel jack)	
	▪ In-chassis stereo speakers support (3 W/3 Ω via an internal header)	
Expansion Capability	• PCI Express x1 add-in card connector	1
	• PCI Express Full-/Half-Mini Card slot	1
	• PCI Express Half-Mini Card slot	1
Peripheral Interfaces	• USB 2.0 front panel ports	5 (Headers)
	• USB 3.0 back panel connectors (blue)	4
	• SATA 3.0 Gb/s	2
	• SATA 3.0 Gb/s port (multiplexed with an mSATA port, routed to the PCI Express Full-/Half-Mini Card slot)	1
Legacy I/O	• Legacy I/O Controller (NCT6683D) that provides:	
	▪ Powered RS232	2
	▪ Configurable RS232/422/485	2
	▪ Parallel port via an onboard header	1
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	• 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	Nuvoton NCT6104D based subsystem, including:	
	• Voltage sense to detect out of range power supply voltages	
	• Thermal sense to detect out of range thermal values	
	• 3-pin system fan header	
Power Requirement	• DC connectivity via back-panel DC jack(2.5mm/ ID, 5.5mm/ OD)	
	• Internal 2 pin power connector	
Environment	• Operating Temperature: 0 ℃ to +60 ℃	
	• Storage Temperature: -20℃ to +70℃	
Safety	• CE	
	• FCC	

Packing List

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