

ThinMini-ITX Form Factor
Intel ATOM N2800

PD11TI MT



Thin Mini-ITX

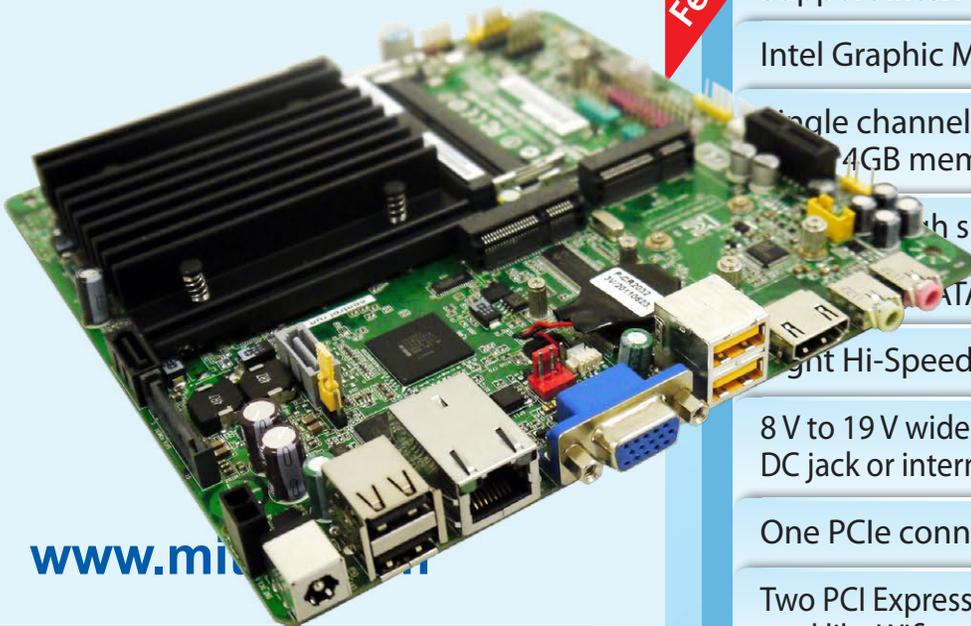


DC-in 8v-19v



Mini Card Support

Features



Support Intel Atom N2800 dual core processor

Intel Graphic Media Accelerator 3600

Single channel DDR3 with two connectors for 4GB memory

High speed Gigabit Ethernet connection

SATA 3Gb/s

Eight Hi-Speed USB2.0 ports support

8V to 19V wide-range voltage input via back-panel DC jack or internal power connector

One PCIe connector for the future Add-in card

Two PCI Express Mini Card connector for expansion card like Wifi

Dual independent display from HDMI*, VGA, and Embedded Display-Port* / LVDS connectivity



Item	Spec	
Form Factor	Low-profile Mini-ITX (20 millimeters [0.79 inches] x 170.18 millimeters [6.7 inches] x 170.18 millimeters [6.7 inches])	
Processor	Fanlessly-cooled, soldered-down dual-core Atom™ Processor N2800 with integrated graphics and memory controller	
Chipset	NM10 Express Chipset	
Memory	<ul style="list-style-type: none"> Support for DDR3 800 MHz and DDR3 1066 MHz SO-DIMMs Note: Higher speed SO-DIMMs operate at 1066 MHz if supported by the memory module Support for up to 4 GB of system memory on a single SO-DIMM (or (2) 2 GB SO-DIMMs) 	
Graphics	<ul style="list-style-type: none"> 204-pin DDR3 SO-DIMM 	2
	<ul style="list-style-type: none"> Integrated graphics: <ul style="list-style-type: none"> Digital displays (High Definition Multimedia Interface* (HDMI*)) Analog displays (VGA) Internal flat panel displays: <ul style="list-style-type: none"> LVDS Embedded DisplayPort* eDP* 	
	<ul style="list-style-type: none"> External graphics support via a PCI Express 1.0a x1 graphics add-in card connector 	
	<ul style="list-style-type: none"> 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) S/PDIF digital audio output (internal header) DMIC digital microphone input (internal header) Analog line-in (back panel jack) Front panel HD Audio/AC'97 headphones/mic support (internal header) 	
Expansion Capability	<ul style="list-style-type: none"> 8-channel (7.1) HD Audio via the HDMI interface PCI Express 1.0a x 1 add-in card connector 	1
	<ul style="list-style-type: none"> PCI Express Full-/Half-Mini Card slot 	1
	<ul style="list-style-type: none"> PCI Express Half-Mini Card slot 	1
Peripheral Interfaces	<ul style="list-style-type: none"> USB 2.0 front panel ports 	4 (Headers)
	<ul style="list-style-type: none"> USB 2.0 back panel connectors (black) 	2
	<ul style="list-style-type: none"> USB 2.0 high-current/fast-charging ports (Yellow) 	2
	<ul style="list-style-type: none"> SATA 3.0 Gb/s 	1
	<ul style="list-style-type: none"> SATA 3.0 Gb/s port (multiplexed with an mSATA port, routed to the PCI Express Full-/Half-Mini Card slot) 	1



Item	Spec						
Legacy I/O	<ul style="list-style-type: none"> Legacy I/O Controller (Nuvoton* W83677DHG) that provides: <table border="1"> <tr> <td>- Hardware management support</td> <td></td> </tr> <tr> <td>- Serial ports onboard headers</td> <td>2</td> </tr> <tr> <td>- Parallel port via an onboard header</td> <td>1</td> </tr> </table> 	- Hardware management support		- Serial ports onboard headers	2	- Parallel port via an onboard header	1
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	- Serial ports onboard headers	2					
- Parallel port via an onboard header	1						
LAN Support	82579L 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), Plug and Play, and System Management BIOS (SMBIOS) 						
Instantly Available PC Technology	<ul style="list-style-type: none"> Suspend to RAM support Wake on PCI Express, LAN, front panel, serial, and USB ports 						
Hardware Management	Nuvoton W83677DHG based subsystem, including: <ul style="list-style-type: none"> Voltage sense to detect out of range power supply voltages 						
	<ul style="list-style-type: none"> Thermal sense to detect out of range thermal values 3-pin system fan header with speed control 						
	Support for Platform Environmental Control Interface (PECI)						
Power Requirement	DC connectivity via back-panel DC jack (2.5mm/ID, 5.5mm/OD)						
Environment	<ul style="list-style-type: none"> Operating Temperature: 0 °C to +50 °C Storage Temperature: -20°C to +70°C 						
	Safety	<ul style="list-style-type: none"> CE FCC UL 					

Packing List (Optional)

<ul style="list-style-type: none"> PD11TI Mainboard 	
<ul style="list-style-type: none"> 50CM SATA Cable 	Optional
<ul style="list-style-type: none"> 45CM SATA Power Cable 	Optional
<ul style="list-style-type: none"> 2*IO Shield (Half and Full height) 	Optional
<ul style="list-style-type: none"> Driver CD 	Optional
<ul style="list-style-type: none"> Quick Guide 	Optional