

ThinMini-ITX Form Factor
Intel Apollo Lake

PD10AI MT



All Solid
Capacitor



Thin
Mini-ITX



M.2
Support



High speed
USB 3.0



DC-in
8V-24V



DN2800MT
Transition

Features

Intel Apollo Lake N4200 / N3350 quad / dual core processor

Intel HD graphics and DirectX 12 support

Dual channel DDR3L with two connectors for up to 8GB memory

3 independent displays via HD-Out, DP-out, and eDP / LVDS

Features high speed Gigabit Ethernet connection

Features 2 SATA 6 Gb/s

Four High Speed USB 3.0 ports support

Two RS232 support, with four extra COM ports optional

One PCIe connector for a future Add-in card

Two M.2 slots for storage and wireless expansion

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

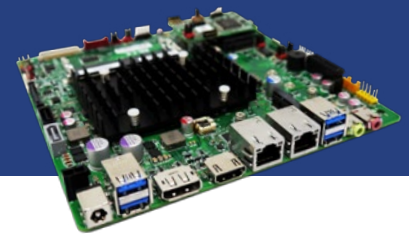


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Item	Spec		
Form Factor	ThinMini-ITX, 6.7" x 6.7" (170mm x 170mm)		
Processor Chipset	Intel Apollo Lake Processor with integrated graphics (Compatible with N3350 and N4200)		
Memory	<ul style="list-style-type: none"> • Support for DDR3L 1866 MHz SO-DIMMs 		
	<ul style="list-style-type: none"> • Support for up to 8GB of system memory • 204-pin DDR3L SO-DIMM 	2	
Audio Controller	Realtek ALC283 audio codec		
Expansion Capability	<ul style="list-style-type: none"> • PCI Express 2.0 x 1 add-in card connector 	1	
	<ul style="list-style-type: none"> • M.2 (2242/2260/2280) with USB 2.0 and SATA III signal for SSD 	1	
	<ul style="list-style-type: none"> • M.2 (2230) with PCIe x 1 and USB 2.0 signal for wireless 	1	
External I/O	<ul style="list-style-type: none"> • DC-in 8-24V (2.5 mm/ID, 5.5 mm/OD) 	1	
	<ul style="list-style-type: none"> • HDMI 	1	
	<ul style="list-style-type: none"> • DP-out 	1	
	<ul style="list-style-type: none"> • line-out 	1	
	<ul style="list-style-type: none"> • Mic-in 	1	
	<ul style="list-style-type: none"> • USB 3.0 back panel connectors 	4	
	<ul style="list-style-type: none"> • RJ45 	2	
	<ul style="list-style-type: none"> • LVDS Connector (40Pin) 	1	
	<ul style="list-style-type: none"> • eDP Connector (40Pin) 	1	
	<ul style="list-style-type: none"> • Stereo speaker header 	1	
Internal I/O	<ul style="list-style-type: none"> • HD Audio / AC' 97 headphone / mic 	1	
	<ul style="list-style-type: none"> • USB 2.0 front panel ports 	2	
	<ul style="list-style-type: none"> • SATA 6 Gb/s 	1	
	<ul style="list-style-type: none"> • SATA 6 Gb/s port (multiplexed with an m.2 slot) 	1	
	<ul style="list-style-type: none"> • Serial port header 	2	
	<ul style="list-style-type: none"> • Parallel port header (Option with MiAPI header) 	1	
	<ul style="list-style-type: none"> • 4-pin system fan header 	2	
	<ul style="list-style-type: none"> • 2 pin power connector 	1	
	MiAPI: Programmable header (support GPIO x 10, SMBUS x 1, UART x 1, Watchdog x 1) with API library supported for Windows OS		
	SI/O Controller	NCT6793D	
LAN Support	Intel I211-AT (10/100/1000 Mb/s) Ethernet LAN controller*2		
BIOS	<ul style="list-style-type: none"> • UEFI mode only (Not support Legacy mode) 		
	<ul style="list-style-type: none"> • BIOS resident in a Serial Peripheral Interface (SPI) Flash device 		
	<ul style="list-style-type: none"> • Support for Advanced Configuration and Power Interface (ACPI), and System Management BIOS (SMBIOS) 		
Hardware Management	Nuvoton NCT6793D 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 		
Environment	<ul style="list-style-type: none"> • Operating Temperature: 0°C to +60°C 		
	<ul style="list-style-type: none"> • Storage Temperature: -20°C to +70°C 		
Safety	<ul style="list-style-type: none"> • CE 		
	<ul style="list-style-type: none"> • FCC 		
Operating System	Windows 10 64bit, Linux (support by request)		

Packing List

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|--------------------------------------|-------------------|-------------------------|
| • PD10AI Mainboard | • 50CM SATA Cable | • 45CM SATA Power Cable |
| • 2*IO Shield (Half and Full height) | • Driver CD | • Quick Guide |