

Mini-ITX Form Factor
MiTAC Embedded Board Bay Trail Series

PD11BI
CC



USB3.0
X2



MiniCard Support



Dual LAN



DN2500CC
Transition



Serial Port

Features

Support Intel Bay Trail-D Dual core/Quad core processor

Intel HD graphics and DirectX 11 support

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

Integrated Six-channel High Definition audio

Features dual high speed Gigabit Ethernet connection

Features 2 SATA 3Gb/s

Two USB3.0 ports and Six USB2.0 ports

One PCIeX1 connector for the future Add-in card

One PCI Express Mini Card connector for expansion
card like Wifi

Dual Display capability with VGA and DVI-I port



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Item	Spec
Form Factor	Mini-ITX (170 millimeters [6.7 inches] x 170 millimeters [6.7 inches])
Processor	Intel Bay Trail J1900 Processor with integrated graphics (*Remark: Compatible with J1800 and J2900)
Main Memory	<ul style="list-style-type: none"> Support for dual channel DDR3L 1333/1600 (runs at 1333 MHz) SO-DIMMs Support for up to 8 GB of system memory on a single SO-DIMM (or 4 GB each by 2 SO-DIMM) 204-pin DDR3L SO-DIMM
Integrated Graphics	<ul style="list-style-type: none"> Intel HD graphics and DirectX 11 support Integrated graphics: <ul style="list-style-type: none"> Digital displays (DVI-I) Analog displays (VGA) Flat Panel displays (LVDS interface)
External Graphics	External graphics support via a PCI Express 1.0a x1 graphics add-in card connector
Audio	RealTek* ALC662 audio codec for 5.1 (6-channel) High Definition Audio (HD Audio) and AC '97 Audio. Included are: <ul style="list-style-type: none"> Back panel audio connectors Onboard S/PDIF digital audio header Front panel microphone/headphone header with support for HD Audio or AC '97 Audio
Legacy I/O	Legacy I/O Controller (Nuvoton NCT 6104D) that provides: <ul style="list-style-type: none"> Hardware management support Serial Port (Rear IO) Serial Port (On board) Parallel port via an onboard header
Expansion Capabilities	PCI-e X1 bus add-in card connector PCI Express* Full-Mini Card slot with Half-Mini Card support
Peripheral Interfaces	<ul style="list-style-type: none"> USB 2.0 back panel connectors (black) USB 3.0 back panel connectors (blue) USB 2.0 front panel ports Intel®Z-U130 USB Solid-State Drive or compatible device Serial ATA (SATA) 3.0 Gb/s interfaces
Hardware Monitor Subsystem	Hardware monitoring through the Nuvoton NCT 6104D legacy I/O controller, including: <ul style="list-style-type: none"> Remote thermal sensor 3-pin system fan header with speed control
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	Support for Advanced Configuration and Power Interface (ACPI), Plug and Play, and SMBIOS
Instantly Available PC Technology	<ul style="list-style-type: none"> Support for Advanced Configuration and Power Interface (ACPI) Wake on peripheral device
Power Requirement	ATX12V, SFX12V or DC12V (4-pin)
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 UL

Packing List

- PH11BI Mainboard
- IO Shield
- Quick Guide
- 50CM SATA Cable
- Driver CD