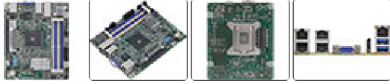


## B550D4ID-2L2T (BTO)

- Deep mini-ITX (6.7" x 8.2")
- Support AMD Ryzen 5000 Series Desktop Processors
- 4 DIMM slots (2DPC), supports DDR4 ECC/non-ECC UDIMM
- 1 PCIe4.0 x16
- 1 OCuLink (4 SATA 6Gb/s)
- Supports 1 M.2 (PCIe4.0 x4 or SATA 6Gb/s)
- 4 SATA 6Gb/s
- 2 RJ45 (10GbE) by Intel® X710
- 2 RJ45 (1GbE) by Intel® i210
- Supports ATX PSU and 12V DC-in
- Remote management (IPMI)



**HDMI™ (High-Definition Multimedia Interface)**

**HDMI** This motherboard supports HDMI™ (High-Definition Multimedia Interface) which is an interface standard for transferring uncompressed video data and delivering multi-channel audio through a single cable. Both video and audio data signals transferred through the HDMI™ interface are digital without being converted into analog, therefore it delivers the richest pictures and the most realistic sounds.

### SPECIFICATIONS

<b>Physical Status</b>	
Form Factor	Deep mini-ITX
Dimensions	6.7" x 8.2"
<b>Processor System</b>	
CPU	Supports: AMD Ryzen™ 5000 and 4000 G-Series Desktop Processors with Radeon™ Graphics AMD Ryzen™ 5000 and 3000 Series Desktop Processors AMD Ryzen™ PRO 5000, 4000 and 3000* Series Desktop Processors * Not compatible with AMD Ryzen™ PRO 3000 Series Desktop Processors with Radeon™ Graphics
Socket	Single Socket AM4 (PGA1331)* *Please note that this motherboard only supports LGA115x CPU heatsink.
Chipset	AMD B550
<b>System Memory</b>	
Supported DIMM Quantity	4 DIMM slots (2DPC)
Supported Type	Supports DDR4 288-pin ECC*/non-ECC UDIMM *For AMD Ryzen Desktop Processors with Radeon Graphics, ECC support is only with Processors with PRO technologies.
Max. Capacity per DIMM	ECC/non-ECC UDIMM: up to 32GB
Max. DIMM Frequency	up to 3200 MHz* * AMD Ryzen™ 3000 G-Series Desktop Processors with Radeon™ Graphics support up to 2666 MHz
Voltage	1.2V
<b>PCIe Expansion Slots (SLOT7 close to CPU)</b>	
PCIe x 16	SLOT7: PCIe4.0* x16 [CPU] *Supports PCIe3.0 when using AMD Ryzen™ 5000, 4000 G-Series Desktop Processors with Radeon™ Graphics
<b>Other PCIe Expansion Connectors</b>	
M.2 slot	1 M-key (PCIe4.0 x4* or SATA 6Gb/s), supports 22110 (BTO)**/2280 form factor [CPU] 1 M-key (PCIe3.0 x2 or SATA 6Gb/s), supports 2280 form factor (BTO)*** [FCH] *Supports PCIe3.0 when using AMD Ryzen™ 5000, 4000 G-Series Desktop Processors with Radeon™ Graphics ** M2_1 22110 form factor support is possible by depopulating BMC_SMB and IPMB header and other BOM change *** M2_2 support is possible by depopulating BMC_SMB and IPMB header and other BOM change
OCuLink	1 OCuLink (4 SATA 6Gb/s) [FCH]
<b>SATA/SAS Storage</b>	
PCH Built-in Storage	AMD B550 (4 SATA 6Gb/s; RAID 0/1/10): 1 OCuLink
<b>Ethernet</b>	
Additional GbE Controller	1 Intel® X710-AT2: 2 RJ45 (10GbE) 2 Intel® I210: 2 RJ45 (1GbE)
<b>Server Management</b>	
BMC Controller	ASPEED AST2500

IPMI Dedicated GLAN	1 x Realtek RTL8211E for dedicated management GLAN
<b>Graphics</b>	
Controller	ASPEED AST2500: 1 DB15  AMD Ryzen™ Desktop Processors with Radeon™ Graphics: 1 HDMI
<b>Rear I/O</b>	
UID Button/LED	1 UID button, 1 UID LED
VGA Port	1 DB15, 1 HDMI
USB 3.2 Gen1 Port	2 Type-A (USB3.2 Gen1)
RJ45	2 RJ45 (10GbE), 2 RJ45 (1GbE) 1 dedicated IPMI
<b>Internal Connector/Headers</b>	
Power Connector	1 (4-pin, ATX PSU signal) w/ ATX 24-pin adapter cable, 2 (8-pin, ATX 12V) support 12V DC-in
Other Power Connectors	1 (4-pin) for HDD power when using 12V DC-in power source
Auxiliary Panel Header	1 (9-pin): chassis intrusion, system fault LED, LAN activity LED
System Panel	1 (9-pin): power switch, reset switch, system power LED, HDD activity LED
COM Header	1
Speaker Header	1
Fan Header	3 (4-pin)
Thermal Sensor Header	1
TPM Header	1 (17-pin, LPC), 1 (13-pin, SPI)
SMBus header	1
PMBus header	1
IPMB Header	1
Clear CMOS	1
USB 3.2 (Gen1) Header	1 (19-pin, 2 USB3.2 Gen1)
NMI Header	1
NC-SI	1
<b>LED Indicators</b>	
Standby PWR LED	1
80 Debug Port LED	1
Fan Fail LED	3
<b>System BIOS</b>	
BIOS Type	AMI UEFI BIOS; 256 Mb (32MB) SPI Flash ROM
BIOS Features	Plug and Play, ACPI 5.1 compliance wake up events, SMBIOS 2.3
<b>Hardware Monitor</b>	
Temperature	CPU, DDR, MB, Card Side, FCH
Fan	Fan Tachometer CPU Quiet Fan (Allow Chassis Fan Speed Auto-Adjust by CPU Temperature) Multi-Speed Control
Voltage	3VSB, 5VSB, VCPU, VSOC, VCCM, APU VDDP, 1.05V_PROM_S5, 2.5V_PROM, 1.05V_PROM_RUN, BAT, 3V, 5V, 12V
<b>Environment</b>	
Temperature	Operation temperature: 10°C ~ 35°C / Non operation temperature: -40°C ~ 70°C
Humidity	Non operation humidity: 20% ~ 90% ( Non condensing)

The specification is subject to change without notice in advance. ASRock Rack is the official trademark for ASRock Rack Inc., all the covers need to remain the original brand name without any modification. All other brands, names and trademarks are the property of their respective owners.

© 2024 ASRock Rack Inc. All rights reserved. | Information published on ASRockRack.com is subject to change without notice.

[Terms of Use Notice](#) | [Privacy Policy](#)

