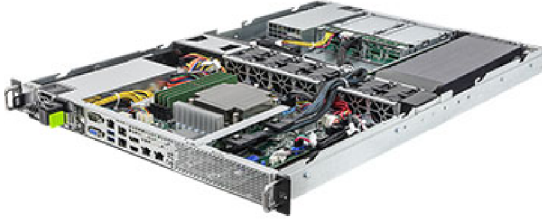


1U1G-W680/2L2T



- 1U Rackmount with 1+1 Redundant 800W CRPS
- Supports Intel® Core™ 14th Gen, 13th & 12th Gen Intel® Core™ series processors
- 4 DIMM slots (2DPC), supports DDR5 ECC/non-ECC UDIMM
- 4 Hot-swap 2.5" SATA drive bays
- Supports 1 M.2 (PCIe3.0 x4)
- 1 FH dual-slot PCIe4.0 x16
- 2 RJ45 (10GbE) by Intel® X710-AT2
- 2 RJ45 (1GbE) by Intel® i210
- VGA, HDMI, DisplayPort
- Remote management (IPMI)



HDMI™ (High-Definition Multimedia Interface)



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

System	
Form Factor	1U Rackmount
Dimensions	650.0 x 438.0 x 43.5 mm (25.60" x 17.2" x 1.7")
Support MB	W680D4U-2L2T/G5
Front Panel	
Buttons	Power w/ LED, Reset, UID w/ LED
LEDs	System Fault, LAN1/LAN2 Activity
I/O Ports	1 DB15 (VGA) 1 HDMI 1 DisplayPort 1 DB9 (COM) 2 USB Type-A (USB3.2 Gen1) 2 RJ45(10GbE) 2 RJ45(1GbE) 1 dedicated IPMI
External Drive Bay / Storage	
Rear Side	4 Hot-swap SFF 2.5" drive bays (SATA 6Gb/s)
Rear Side Backplane	4-port SATA passive backplane
Internal Side	1 M-key (PCIe3.0 x4) [PCH]; support 2280/2260/2242/2230 form factor
Power Supply	
Type	1+1 Hot-swap CRPS
Output Watts	800W @ 100-240Vac input
Efficiency	80-PLUS Platinum
AC Input	AC 100-240V/10-5A, 50/60Hz
System Fan	
Fan	5 PWM single-rotor 40x56 mm fans 1 PWM dual-rotor 40x56 mm fans
Processor System	
CPU	Supports Intel® Core™ 14th Gen, 13th & 12th Gen Intel® Core™ series processors
Socket	Single Socket LGA 1700
Thermal Design Power	max. up to 125W
Chipset	Intel® W680
System Memory	
Supported DIMM Quantity	4 DIMM slots (2DPC)
Supported Type	DDR5 288-pin ECC/non-ECC UDIMM

Max. Capacity per DIMM	48GB on Intel® Core™ 14th Gen, 13th Gen Intel® Core™ processors 32GB on 12th Gen Intel® Core™ processors
Max. DIMM Frequency	4400MT/s (2DPC-1DIMM) / 4000MT/s (2DPC-2DIMM 1R) / 3600MT/s (2DPC-2DIMM 2R)
Voltage	1.1V
PCIe Expansion Slots (SLOT7 close to CPU)	
PCIe x 16	1 FH dual-slot PCIe4.0 x16 via 1U2G-RB1U2SL-G4/1U1GX570 and 1U4G_SL2P_R_RDV
Ethernet	
Additional GbE Controller	2 RJ45 (10GbE) by Intel® X710 2 RJ45 (1GbE) by Intel® i210
Server Management	
BMC Controller	ASPEED AST2600: IPMI2.0 with iKVM and vMedia support
IPMI Dedicated GLAN	1 RJ45 Dedicated IPMI LAN port by Realtek RTL8211F
Rear I/O	
USB 2.0 Port	2 Type-A (USB2.0)
USB 3.2 Gen1 Port	2 Type-A (USB3.2 Gen1)
System BIOS	
BIOS Type	AMI 256 Mb SPI Flash ROM
BIOS Features	Plug and Play(PnP), ACPI 6.4 and above compliance wake up events, SMBIOS 3.6.0 and above, ASRock Rack instant flash
Hardware Monitor	
Temperature	CPU, MB, Card side, VR, M.2, X710, TR Temperature sensing
Fan	Fan Tachometer CPU Quiet Fan (Allow Chassis Fan Speed Auto-Adjust by CPU Temperature) Fan Multi-Speed Control
Voltage	3VSB, 5VSB, CPU_VCORE, VCCIN_AUX, VDD2, 1.05V_PCH, 0V82SB_PCH, VCCGT, 1V8SB, VCCSA, BAT, 3V, 5V, 12V
Environment	
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.

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