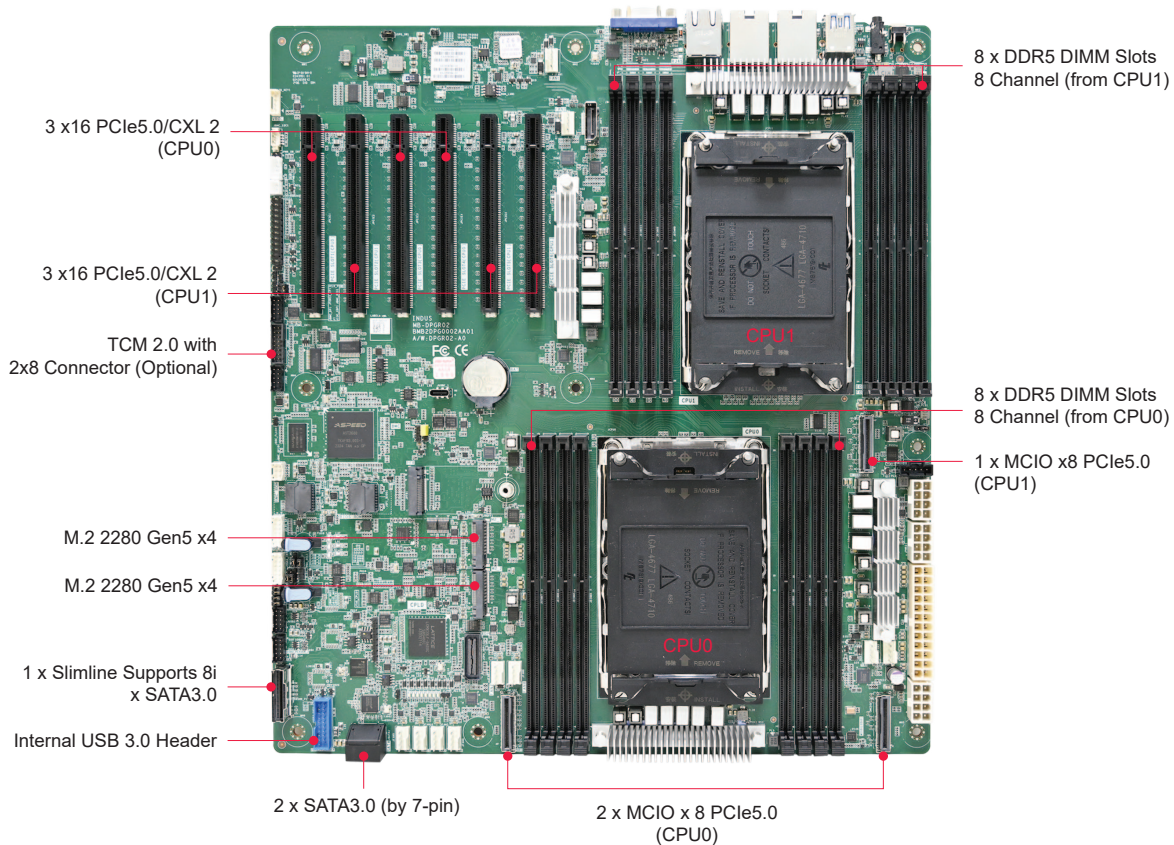
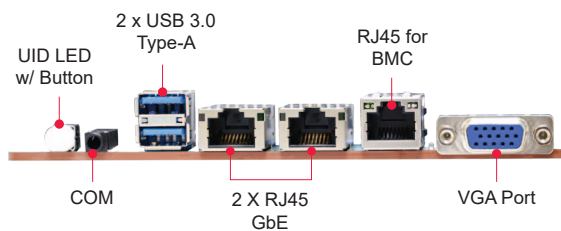




I/O View



Dimensions

mm : 304.8 x 334.05 / inches : 12 x 13

Indus supports dual Intel® Xeon® 6 processors 6500/6700 series with up to 144 CPU cores and 350W TDP. It supports up to 4TB DDR5 3DS RDIMMs with 16 memory slots and memory speeds up to 6400MHz.

The high-speed expansion I/O includes 6 x 16 PCIe5.0/CXL2 slots, 3 MCIO x8 PCIe5.0/CXL2, 2 M.2 2280 PCIe Gen5 x 4, 2 SATA3.0 7-pin connectors (support RAID 0, RAID 1, SPAN), and 1 Slimline 8i connector (up to 8 SATA3.0), 2 USB3 ports on rear, 1 internal USB3 header (support 2 USB3) and 2 internal USB2 headers (support 4 USB2). Security features include TPM2.0 onboard, TCM2.0.

Features

- Supports Intel® Xeon® 6 Scalable Processors for highest every performance and improved power efficiency
- Supports 16x DDR5 DIMM slots for maximum memory performance
- Supports Compute Express Link (CXL2.0)
- Supports MCR DIMMs (8000MHz)
- Supports 3 MCIO x8, total 24 PCIe5.0 lanes
- Supports 6 PCIe X16 slots
- Supports one Slimline 8i to 8 SATA3.0 drive

Specifications

System	Processor Support	Dual Intel® Xeon® 6 processors 6500/6700 series CPU
	CPU TDP	350W
	UPI Speed	16/20/24 GTs
	Socket Type	Socket E2 (LGA 4710 Socket)
	System Memory	• DDR5 - 6400MHz (1DPC RDIMM) - 8000MHz (1DPC MCR) • Total 16 memory slots; 8 slots per CPU (1DPC) • Supports up to 4TB (3DS RDIMM)
System BIOS	Expansion Slots	Total support 128 lanes of PCIe5.0 • PCIe slots - 3 x16 PCIe5.0/CXL2 (CPU0) - 3 x16 PCIe5.0/CXL2 (CPU1) • MCIO - 3 MCIO x8 PCIe5.0/CXL2 (2 from CPU0 +1 from CPU1) • M.2 - 2 M.2 2280 PCIe Gen5 x4 • 2 SATA3.0 (6Gb/s) 7-pin connectors • 1 Slimline 8i connector (support 8 SATA3.0 ports) • 1 USB double-stack Type-A connector supports two USB 3.0 devices • 1 USB pin header supports two USB 3.0 devices • 2 USB pin headers support four USB 2.0 devices
	BIOS Type	AMI UEFI BIOS(64M ROM size)
System BIOS	BIOS Features	• ACPI • PXE • WOL • AC loss recovery • IPMI 2.0 KCS mode interface • SRIOV • SMBIOS • TPM • Serial console redirection • PCIe hotplug

On-board Devices	SATA	• 1 ASMedia ASM1062R SATA (6Gbs) Raid Controller (Support RAID 0, RAID 1, SPAN) supports 2 SATA ports • 2 ASMedia ASM1164 SATA(6Gbps) Controller support 8 SATA ports
	BMC	ASPEED AST2600
	Network Controller	Broadcom BCM5720 for dual port 1GbE (NCSI for share NIC)
	Graphics	• Integrated VGA support by ASPEED AST2600 • Resolution up to 1920x1200 @60Hz 32bpp
	Additional Information	TPM 2.0 - NUVOTON NPCT760AABYX
Input/ Output	SATA	• 2 x SATA3.0 7-pin by ASM1062R (supports RAID 0/1) • 8 x SATA3.0 with 1 Slimline 8i connector by 2 ASM1164
	LAN	• 2 x RJ45 1GbE connectors • 1 x RJ45 1GbE connector (for BMC management port)
	USB	• 1 x USB 3.0 double-stack Type-A connector supports two USB 3.0 ports • 1 x USB pin header supports USB 3.0 • 2 x USB pin headers support USB 2.0
	Display	• 1 x DB-15 VGA connector • 1 x Display port
	Serial Port	1 x COM connector (Audio Jack)
	Others	• PCIe slots - 3 x16 PCIe5.0/CXL2 (CPU0) - 3 x16 PCIe5.0/CXL2 (CPU1) • 3 MCIO x8 PCIe5.0/CXL2 (2 from CPU0 + 1 from CPU1) • 2 M.2 2280 PCIe Gen5 x4
Input/ Output	Additional Information	Security: • TCM 2.0 with 2x8 connector • TPM 2.0 onboard

INDUS

Ordering Information

MB SKU	Order Info	Description
Indus	BMB2DPG0002A	PCBA/MOTHER BOARD/MB-DPGR02/INDUS INTEL BIRCH STREAM/GRANITE RAPID-SP/2CPU/16DDR5 PCIE GEN5/ 3X MCIO X8/6X PCIE SLOT X16/2X M.2
Indus	M22-1717-008	Indus MB (BMB2DPG0002A) with IOS (M60-1717-001), bulk packing with 10 pcs MB & IOS (10 pcs in packing)
Indus	M22-1717-009	Indus MB (BMB2DPG0002A) with IOS (M60-1717-001), single packing