P15DRE

Intel C741 Dual-Socket Server Motherboard

The P15DRE is a high-performance dual-socket server motherboard for 4th/5th Gen Intel Xeon Scalable processors, built on the Intel C741 server chipset. Its exterior design and internal structure reflect JWIPC's philosophy of technology, innovation and environmental protection, along with its customer-oriented service approach. The board improves system expandability and performance. ODM customization is available for individual customer requirements, making it suitable for industry-specific IT platforms.



- Built on the Intel C741 server chipset, the P15DRE supports 4th/5th Gen Intel Xeon Scalable processors.
- Sixteen DDR5 DIMM slots support up to 4TB of 3DS RDIMM memory.
- Four PCIe 5.0 x8 and two PCIe 5.0 x16 expansion slots support flexible expansion.
- Supports up to ten drives with 6Gb/s SATA III storage.
- Two Intel 2.5GbE network ports and one dedicated IPMI management port.
- USB 3.0 supports high-speed backup to external storage.
- Hardware monitoring supports remote monitoring of system power, voltage, temperature and fan status.

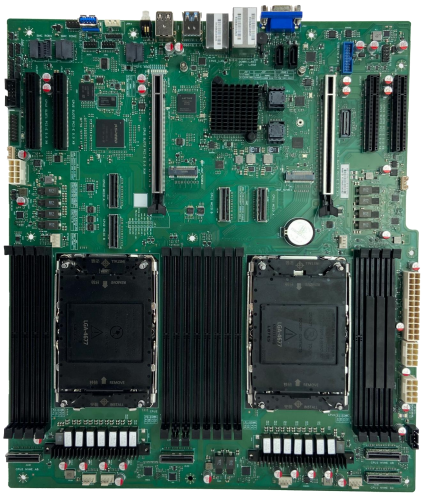
01 Specifications

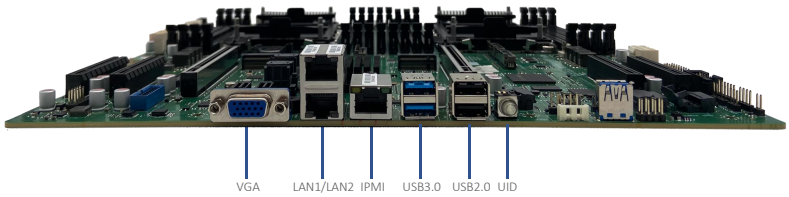
System Controller	CPU	2 CPU sockets; supports 4th/5th Gen Intel Xeon Scalable processors
	Chipset	Intel C741
	BIOS	AMI UEFI BIOS
Display	BMC / VGA	ASPEED AST2600 BMC; 1 × VGA interface
Memory	Type / Slots	16 DIMM slots; ECC DDR5 RDIMM; 4400/4800/5600MHz
	Capacity	Up to 4TB 3DS RDIMM
	Module Sizes	RDIMM: 16/32/64/128/256GB
Network	Controller / 2.5GbE	Intel i226 enterprise-class Gigabit Ethernet controller; 1 × stacked RJ45 connector for 2 × 2.5GbE ports; 10/100/1000/2500Mbps
	IPMI Management	1 × standard RJ45; 10/100/1000Mbps
Storage	SATA	10 × SATA3 6Gb/s; RAID 0, 1, 5, 10
	Mini-SAS / M.2	2 × Mini-SAS HD; 1 × standard M.2 2242/2280; 1 × standard M.2 2280
Expansion	PCIe Slots	2 × PCIe 5.0 x16 (x16 slots); 4 × PCIe 5.0 x8 (x8 slots)
	MCIO	4 × MCIO x8 reserved for NVMe; 4 × MCIO x8 reserved for PCIe expansion
I/O Ports	Rear I/O	1 × IPMI; 2 × USB 2.0; 2 × USB 3.0; 1 × stacked RJ45 2.5GbE; 1 × VGA; 1 × UID switch with LED
	Internal I/O	Front COM header; TPM header; 6 × 4-pin fan connectors; chassis intrusion header
	Power	1 × 24-pin power connector; 3 × 8-pin power connectors
	Internal USB / M.2	USB 3.0 header supports up to 2 devices; USB 2.0 header supports up to 2 devices; 1 × M.2 2242/2280; 1 × M.2 2280; 1 × USB 3.0 Type-A
Product Dimensions	Size	360 × 315mm
Temperature / Humidity	Operating	0°C to 35°C; 8% to 90% RH, non-condensing
	Storage	−40°C to 70°C; 5% to 95% RH, non-condensing

© JWIPC Inc. All Rights Reserved.

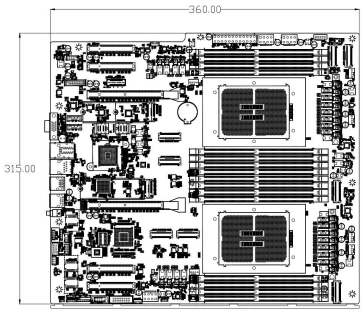
Platform	Chipset	Intel C741
Processor	CPU	4th/5th Gen Intel Xeon Scalable
Memory	Type / Capacity	16 × DDR5 DIMM; up to 4TB 3DS RDIMM
Dimensions	Board Size	360 × 315mm

02 Product View





03 Dimensions



Product Selection

Model	Configuration
P15DRE	Neutral; P15DRE V0.1; Intel Sapphire Rapids; C741 PCH; IPMI; Intel i226

© JWIPC Inc. All Rights Reserved. All product specifications are subject to change without notice