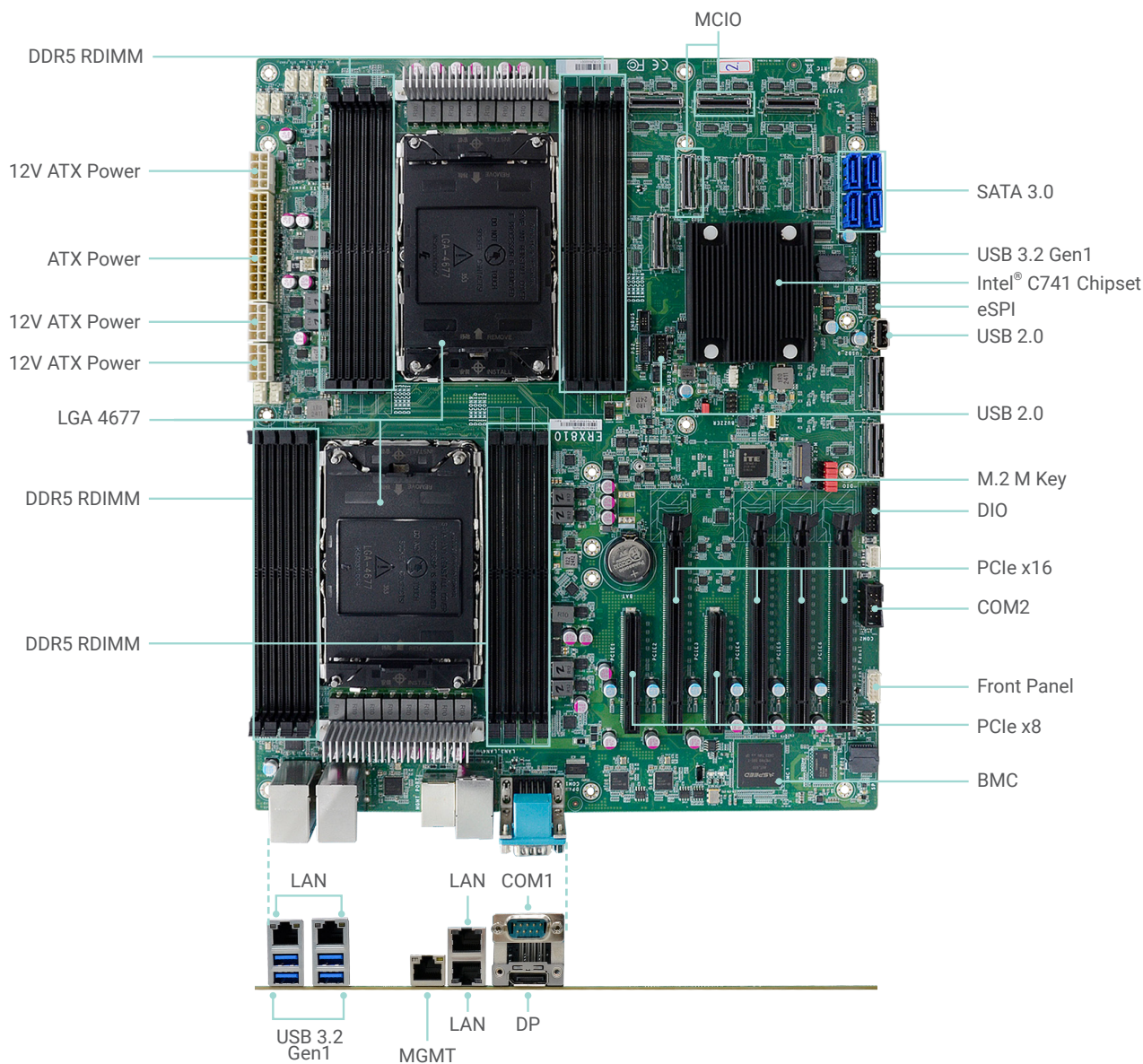


ERX810-C741

Server-grade

5th/4th Gen Intel® Xeon® Scalable Family



Top View

KEY FEATURES



DDR5

16 DDR5 ECC-RDIMM up to 1024GB



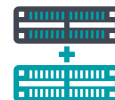
Single Display

DP



IPMI

OOB Remote Management



Multiple Expansion

4 PCIe x16 (Gen 5),
2 PCIe x8 (Gen5),
1 M.2 M key 2280

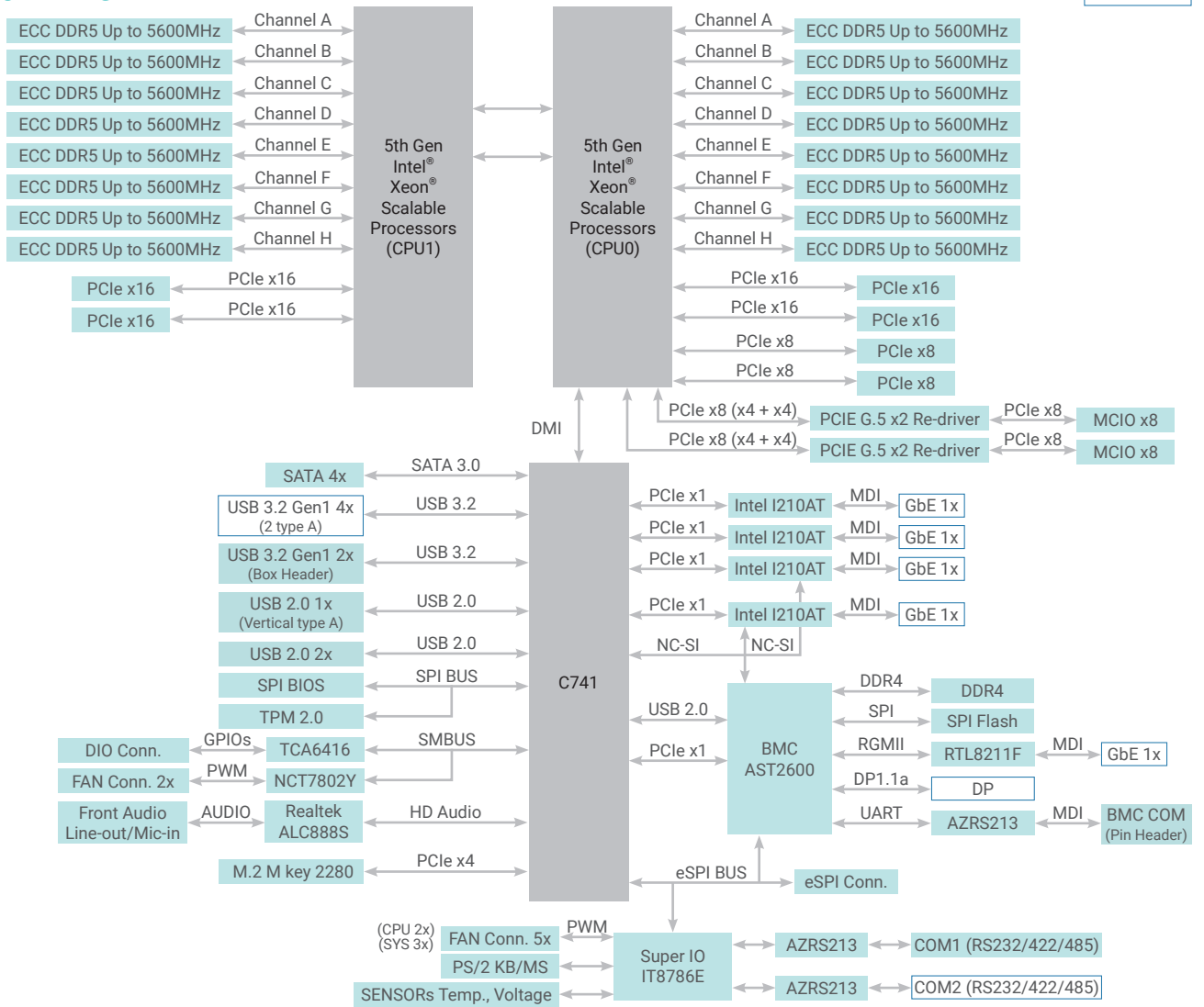


Rich I/O

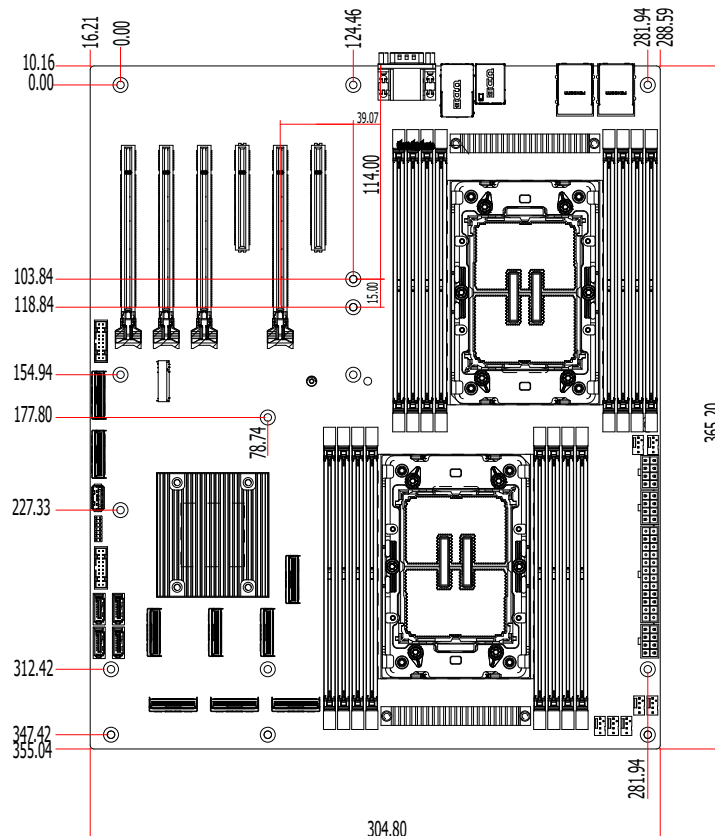
4 Intel® GbE, 4 SATA 3.0,
6 USB 3.2, 2 USB 2.0,
1 Vertical USB 2.0, 2 COM
1 Dedicated IPMI

BLOCK DIAGRAM

REAR IO



MECHANICAL DRAWING



SPECIFICATION

SYSTEM	Processor	5th Generation Intel® Xeon® Scalable Processor Family, LGA 4677 Socket: Intel® Xeon® Gold 6548Y+ Processor (32 Cores, 60 MB Cache, up to 4.1 GHz); 250W Intel® Xeon® Gold 6548N Processor (32 Cores, 60 MB Cache, up to 4.1 GHz); 250W Intel® Xeon® Gold 6538N Processor (32 Cores, 60 MB Cache, up to 4.1 GHz); 205W Intel® Xeon® Gold 6530 Processor (32 Cores, 160 MB Cache, up to 4 GHz); 270W Intel® Xeon® Gold 6526Y Processor (16 Cores, 37.5 MB Cache, up to 3.9 GHz); 195W Intel® Xeon® Gold 5520+ Processor (28 Cores, 52.5 MB Cache, up to 4 GHz); 205W Intel® Xeon® Gold 5515+ Processor (8 Cores, 22.5 MB Cache, up to 4.1 GHz); 165W Intel® Xeon® Silver 4516Y+ Processor (24 Cores, 45 MB Cache, up to 3.7 GHz); 185W Intel® Xeon® Silver 4514Y Processor (16 Cores, 30 MB Cache, up to 3.4 GHz); 150W Intel® Xeon® Silver 4510 Processor (12 Cores, 30 MB Cache, up to 4.1 GHz); 150W Intel® Xeon® Silver 4510T Processor (12 Cores, 30 MB Cache, up to 3.7 GHz); 115W Intel® Xeon® Silver 4509Y Processor (8 Cores, 22.5 MB Cache, up to 4.1 GHz); 125W 4th Generation Intel® Xeon® Scalable Processor Family, LGA 4677 Socket: Intel® Xeon® Gold 6448Y Processor (32 Cores, 60 MB Cache, up to 4.1 GHz); 225W Intel® Xeon® Gold 6438N Processor (32 Cores, 60 MB Cache, up to 3.6 GHz); 205W Intel® Xeon® Gold 6430 Processor (32 Cores, 60 MB Cache, up to 3.4 GHz); 270W Intel® Xeon® Gold 6428N Processor (32 Cores, 60 MB Cache, up to 3.8 GHz); 185W Intel® Xeon® Gold 6426Y Processor (16 Cores, 37.5 MB Cache, up to 4.1 GHz); 185W Intel® Xeon® Gold 6418H Processor (24 Cores, 60 MB Cache, up to 4.0 GHz); 185W Intel® Xeon® Gold 5420+ Processor (28 Cores, 52.5 MB Cache, up to 4.1 GHz); 205W Intel® Xeon® Gold 5418N Processor (24 Cores, 45 MB Cache, up to 3.8 GHz); 165W Intel® Xeon® Gold 5418Y Processor (24 Cores, 45 MB Cache, up to 3.8 GHz); 185W Intel® Xeon® Gold 5415+ Processor (8 Cores, 22.5 MB Cache, up to 4.1 GHz); 150W Intel® Xeon® Silver 4416+ Processor (20 Cores, 37.5 MB Cache, up to 3.9 GHz); 165W Intel® Xeon® Silver 4410T Processor (10 Cores, 26.25 MB Cache, up to 4.0 GHz); 150W Intel® Xeon® Silver 4410Y Processor (12 Cores, 30 MB Cache, up to 3.9 GHz); 150W
	Chipset	Intel® C741 Chipset
	Memory	16 x ECC-RDIMM up to 1024GB DDR5 Max. 5600MHz
	BIOS	Insyde
	GRAPHICS	Controller BMC AST2600
	Display 1 x DP	
	Single Display DP	
EXPANSION	Interface 4 x PCIe x16 (Gen 5) 2 x PCIe x8 (Gen5) 1 x M.2 M key 2280	
AUDIO	Audio Codec ALC888S	
ETHERNET	Controller 4 x Intel® I210 IPMI: RTL8211F	
REAR I/O	Serial 1 x RS-232/422/485 (DB-9)	
	Ethernet 4 x GbE 1 x Dedicated IPMI LAN	
	USB 4 x USB 3.2 Gen1	
	Display 1 x DP	
	PS/2 1 x PS/2	
INTERNAL I/O	Serial 1 x RS-232/422/485	
	USB 2 x USB 3.2 Gen1 2 x USB 2.0 1 x Vertical USB 2.0	
	Audio 1 x Front Audio	
	DIO 16-bit DIO	
	LPC 1 x LPC	
	SATA 4 x SATA 3.0 RAID 0/1/5/10	
	SMBus 1 x SMBus	
	MCIO 2 x MCIO	
SECURITY	TPM TPM 2.0	
POWER	Type ATX	
ENVIRONMENT	Temperature Operating: 0 to 60°C	
MECHANICAL	Dimensions 305 x 365 mm	
	Height PCB: TBD Top Side: TBD Bottom Side: TBD	