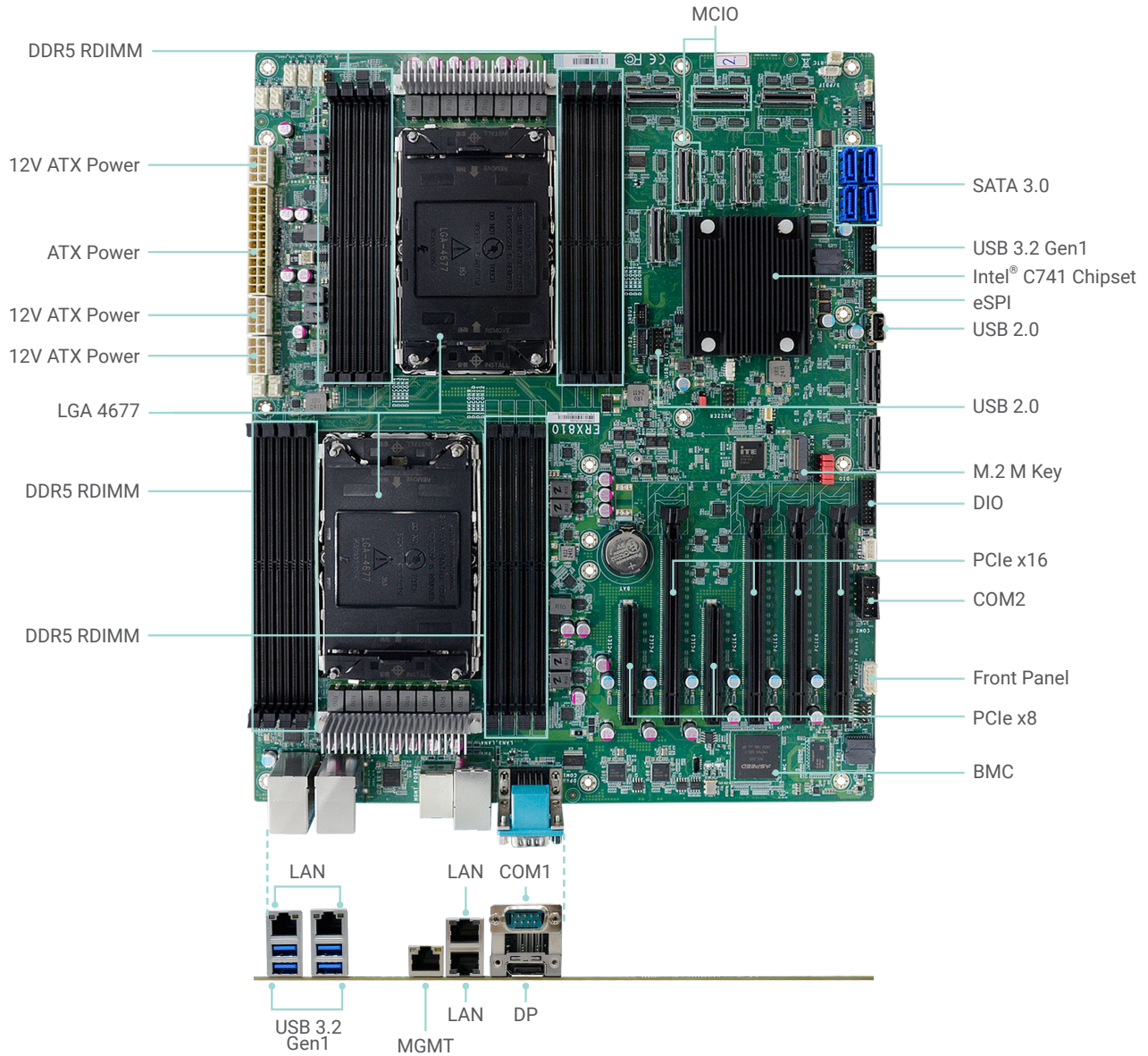


# ERX810-C741

Server-grade

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



Top View

## KEY FEATURES



### DDR5

16 DDR5 ECC-RDIMM up to 1024GB



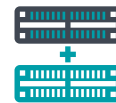
### Single Display

DP



### IPMI

OOB Remote Management



### Multiple Expansion

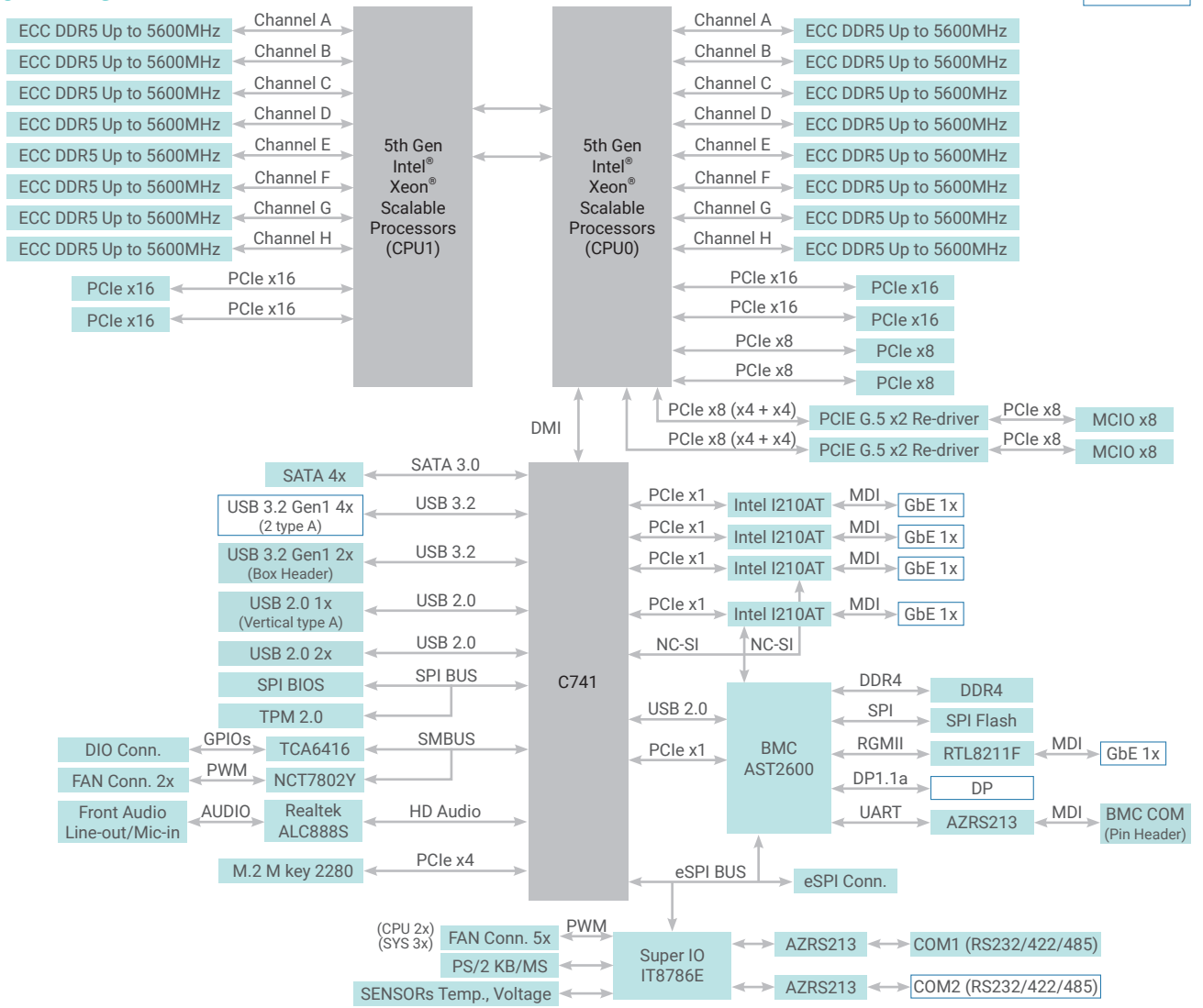
4 PCIe x16 (Gen 5),  
2 PCIe x8 (Gen5),  
1 M.2 M key 2280



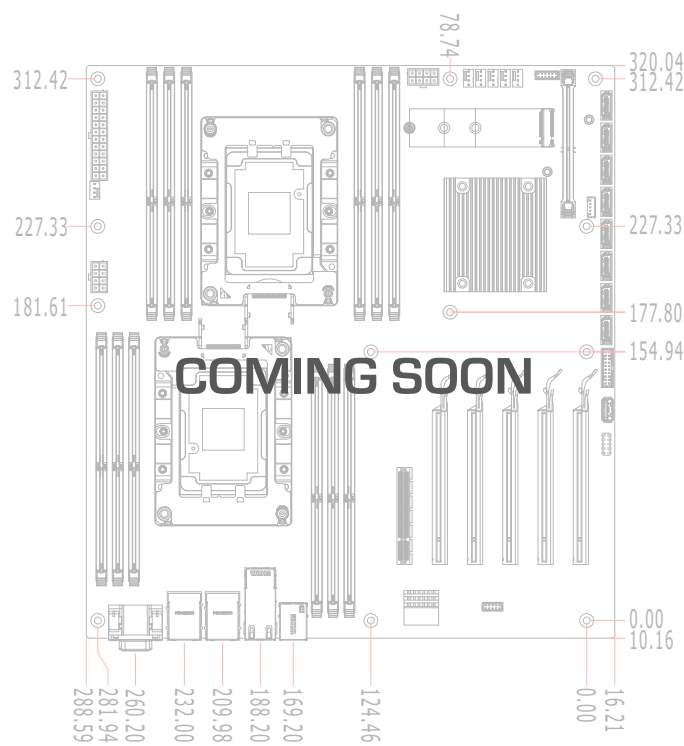
### Rich I/O

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



# MECHANICAL DRAWING



## SPECIFICATION

SYSTEM	Processor	5th/4th Gen Intel® Xeon® Scalable Family Socket: Dual LGA4677 Max. Speed: up to 4.1GHz (Turbo) TDP: up to 270W Cache: up to 60MB	
	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