R640 (1U) - Specs

I purchased this server from PC Server & Parts via Ebay.com, a reputed and certified seller of refurbished enterprise gear and hardware. Dell PowerEdge servers are extremely configurable, which can make it difficult to select the "right" server to purchase. Some factors I considered when purchasing were:

- Power Consumption
- Processors
- Noise level
- RAM & Storage capacity
- iDRAC license

I was able to get lucky and find a server for a decent price point that comes with a 1 year warranty. The specs are as follows (yes, most would consider it overkill, but to me, the more the better...)

Form Factor	1U
Processors	2x Intel Xeon Gold 6148 @ 2.40GHz
Cores	40 Cores (20 each)
Memory (RAM)	DDR4 - 128 GB
Storage	8x 2.5 Drive Bay Capacity (I currently have 4x 1TB SATA SSDs)
Power Supply	Redundant PSU (2 PSUs - 750W)
RAID Controller	Dell H730P
Network Interface	Intel I350 - 4x 1GbE RJ45 ports
iDRAC	Enterprise License

These are some of the important specs of my R640 that I paid closest attention to. The chassis & motherboard also allow for future scalability, so I hopefully shouldn't have to worry about another server for 5-6 years.

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