

A	B	C	D	E	F	G	H	I	J
Components	Name	N_r	K_r (g CO2)				SoC,DRAM,SSD,HDD		
CPU	Intel Xeon Gold 6240	16	150				$E_{CF} = N_r K_r + \sum_r E_r$		
CPU	Intel Xeon Platinum 8260	16	150						
GPU	Nvidia Volta V100	26	150						
DRAM	Samsung 8GB DDR4	8	150						
SSD	870 EVO SATA 2.5"	10	150						
HDD			150						
Total		60	150						

Updates:

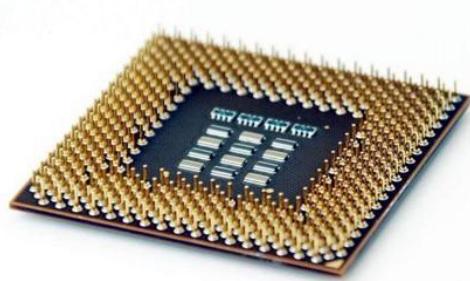


Figure 1.1: Newegg Intel Xeon Platinum 8260

- Found the CPU integrated circuit architecture of Intel Xeon Platinum 8260 on Newegg (<https://www.newegg.com/p/2ZN-00HW-00E49>), shows about 16 integrated circuits. However, this looks different from the design from the hardware24 website (<https://hardware24.pl/procesory/376976-intel-xeon-platinum-8260-xeon-platinum-24-ghz-skt-3647-cascade-lake.html>):
- The mechanical drawing found here (<https://www.mouser.com/pdfDocs/second-gen-xeon-scalable-tmsdg-338847-rev001.pdf>) wasn't really helpful when counting the number of ICs



Figure 1.2: hardware24 Intel Xeon Platinum 8260

- However the Intel Xeon Gold 6284 looks exactly the same, perhaps Newegg has a default image for these CPUs (<https://www.newegg.com/p/2ZN-00HW-00DD9>)
- Here is a different looking image for the processor (<https://www.tradeinn.com/techinn/en/intel-xeon-gold-6248-2.5ghz-processor/138174568/p>):



Figure 1.3: tradeinn Intel Xeon Gold 6284

- For the RAM we have 8 integrated circuits for Samsung 8GC DDR4 PC4-21300 from an Amazon image (<https://www.amazon.com/Samsung-PC4-21300-2666MHZ-desktop-memory/dp/B07F72RJYN>):



Figure 1.4: Amazon Samsung 8GC DDR4 PC4-21300

- For the SSD I found an image of the circuit board from (<https://www.tweaktown.com/reviews/9710/samsung-870-evo-4tb-sata-ssd/index.html>); however, I'm having trouble differentiating between the integrated circuits and other miscellaneous parts. But the number of integrated circuits should be around 10.



Figure 1.5: Tweaktown Front 870 EVO SATA 2.5" SSD 4 TB



Figure 1.5: Tweaktown Back 870 EVO SATA 2.5" SSD 4 TB