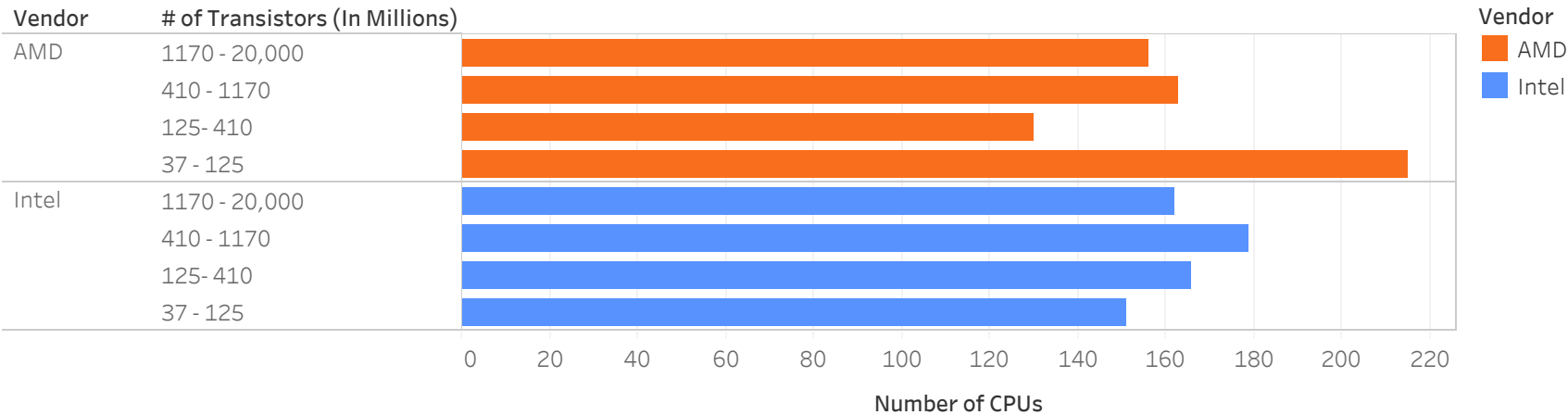
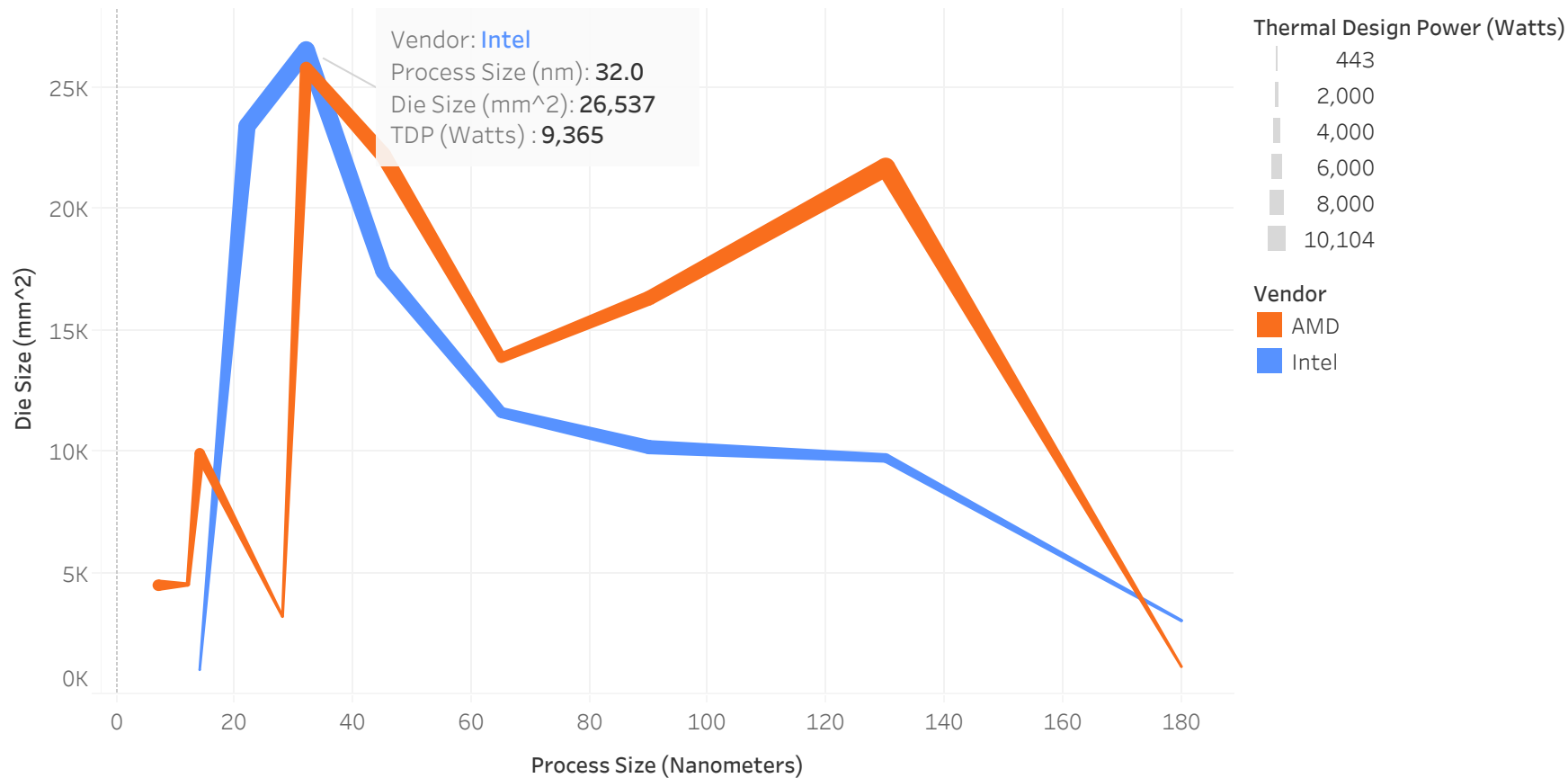


Intel has produced more chips with higher ammounts of transistors, meanwhile AMD has more chips with smaller ammounts of transistors.



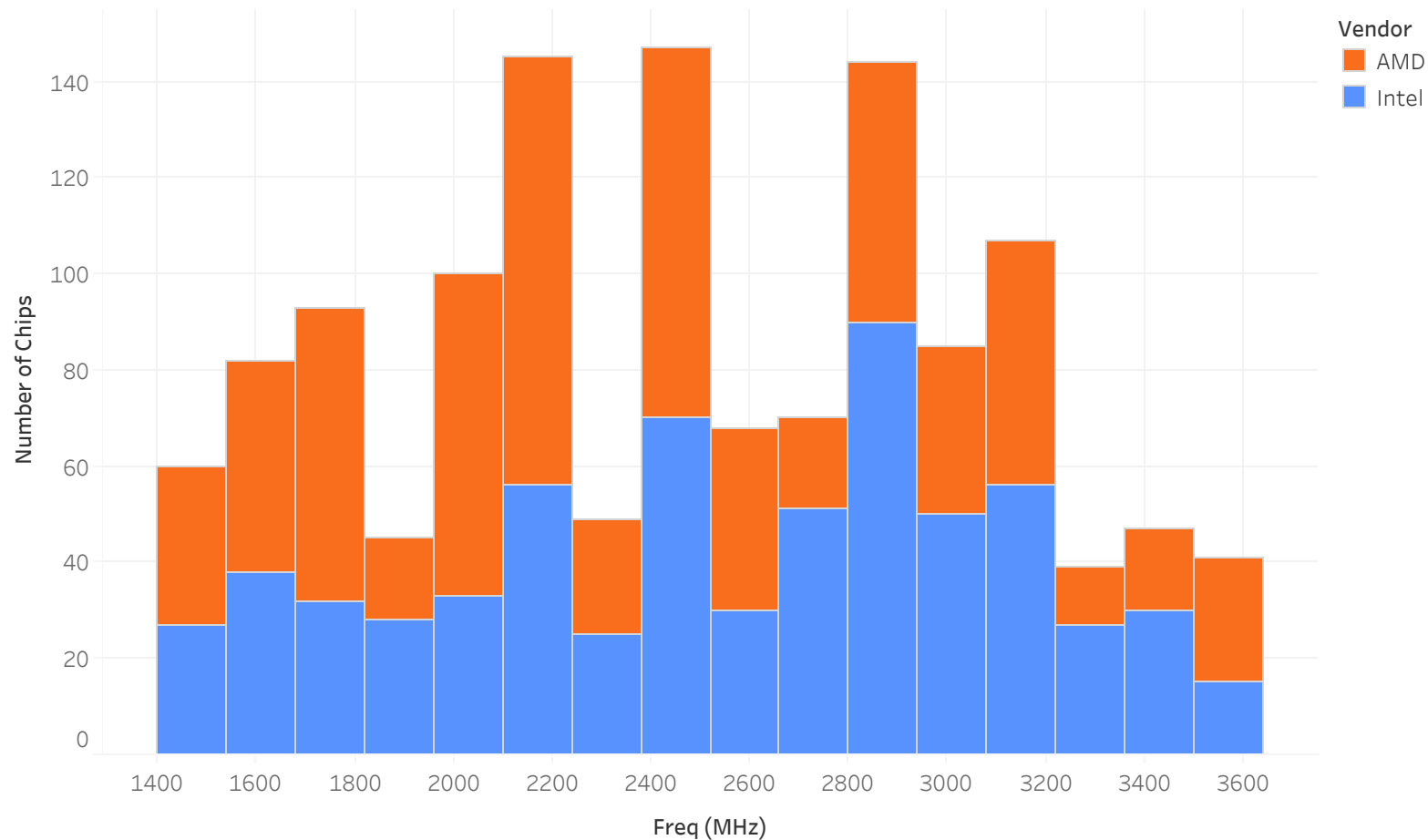
Count of Transistors for each # of Transistors (In Millions) broken down by Vendor. Color shows details about Vendor.

Both Intel and AMD manufacture chips with large dies and miniscule process sizes, but Intel has been more successful in making their high-end chips more thermally adaptive.



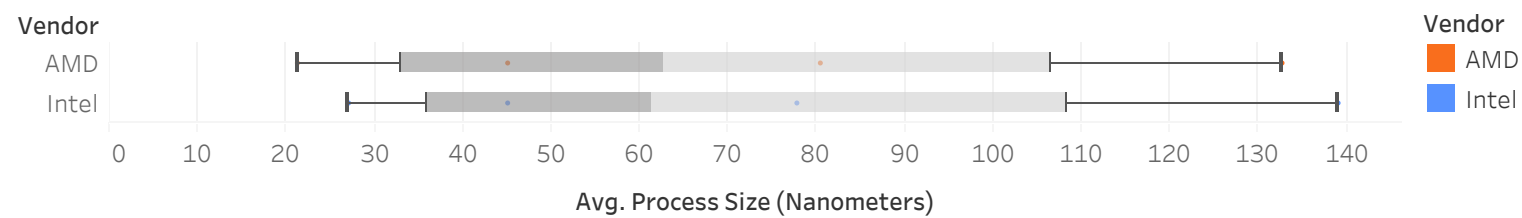
The trend of sum of Die Size1 for Process Size (Nanometers). Color shows details about Vendor. Size shows sum of TDP.

Metrics aside, **AMD** makes significantly more CPU chips than **Intel**, with their biggest leads being in **mid-tier chips from 2200-3000 MHz**.



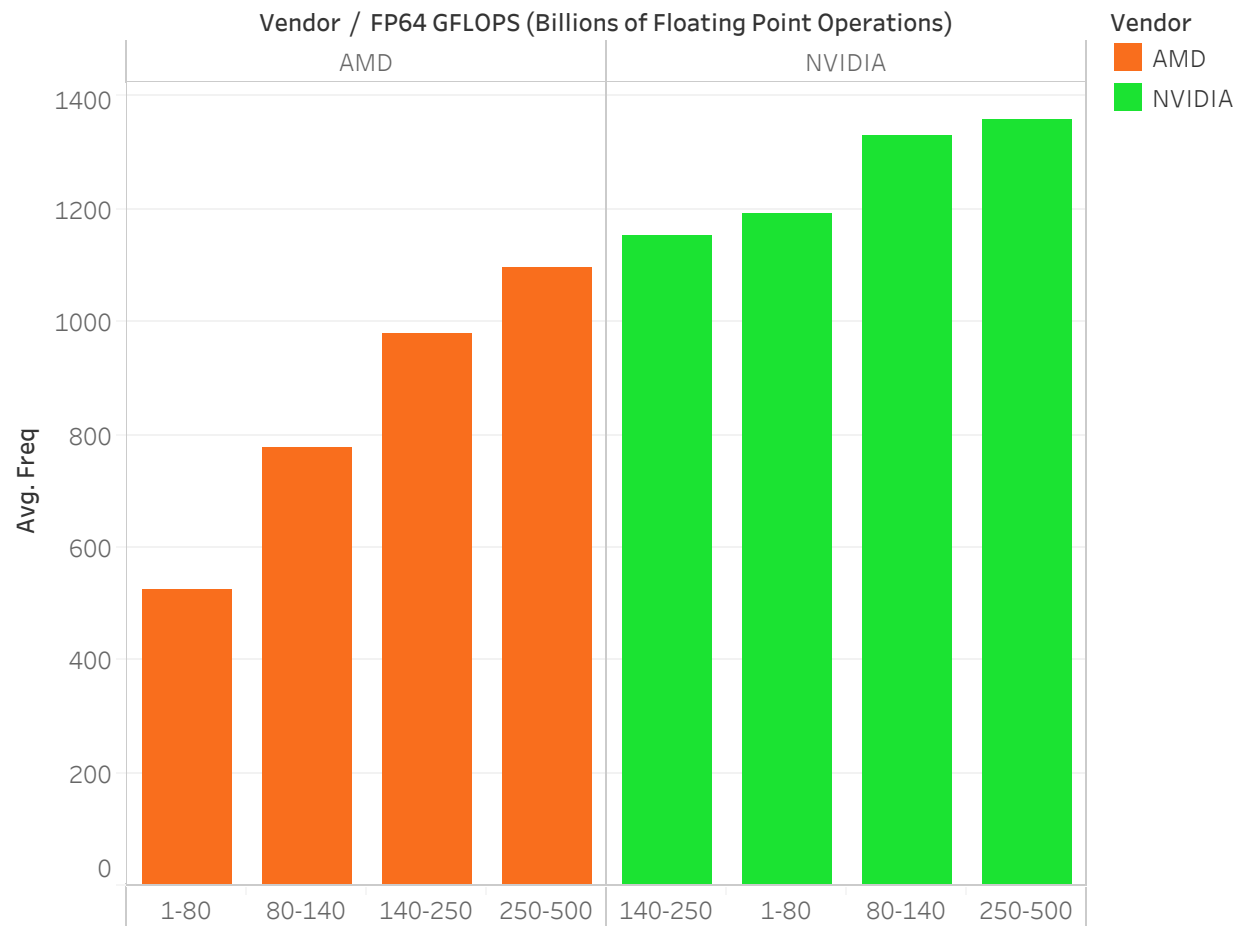
The trend of count of Freq for Freq (bin). Color shows details about Vendor.

Both Intel and AMD's typical process size ranges from 35-105 nanometers, with their newest and oldest chips representing their edge cases.



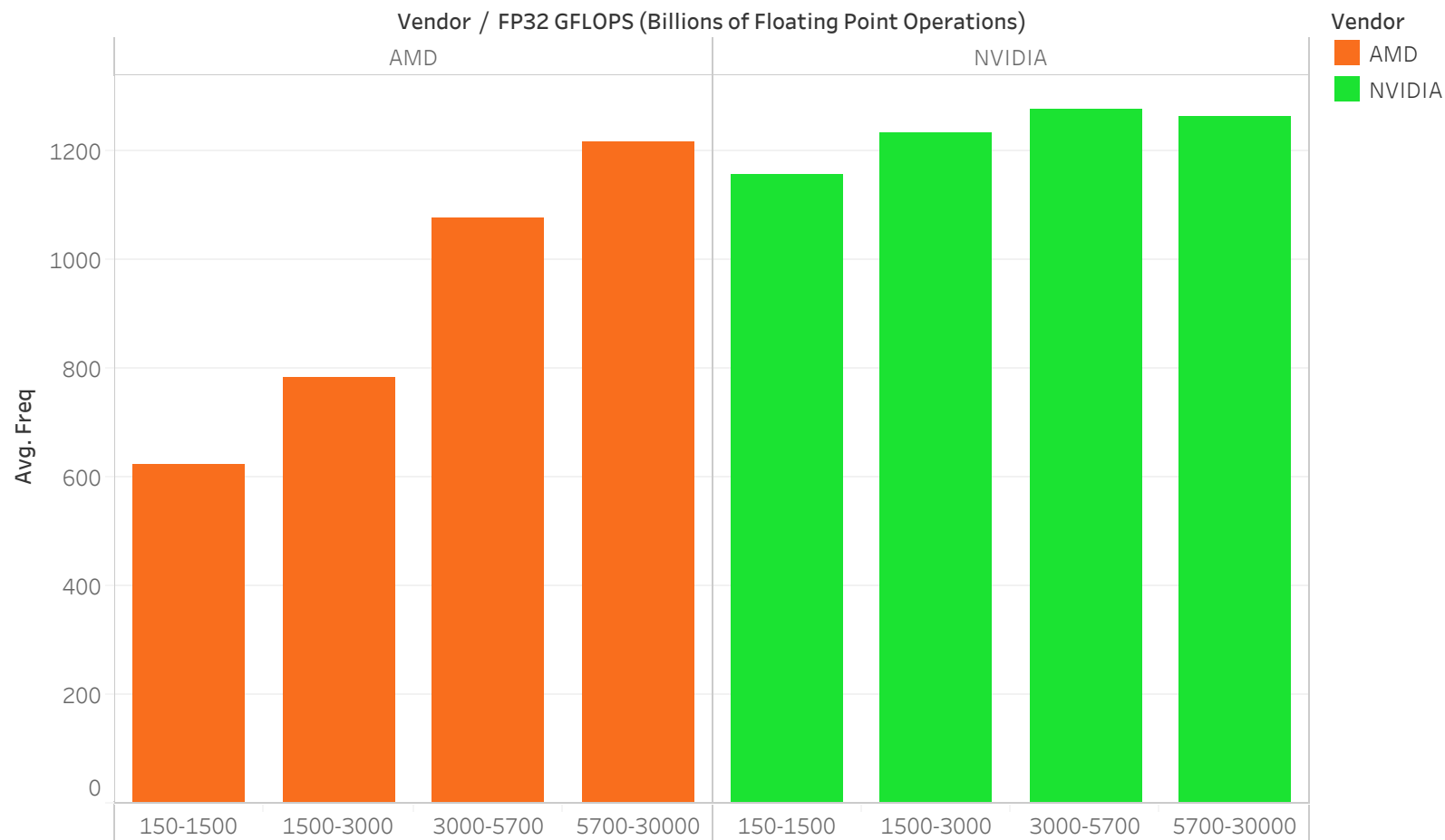
Average of Process Size (Nanometers) for each Vendor. Color shows details about Vendor. Details are shown for Process Size (nm).

When it comes to GPUs, **NVIDIA** has a **clear lead in the market**, with their sloweset FP64 chips being faster than **AMD**'s fastest FP64 chips.



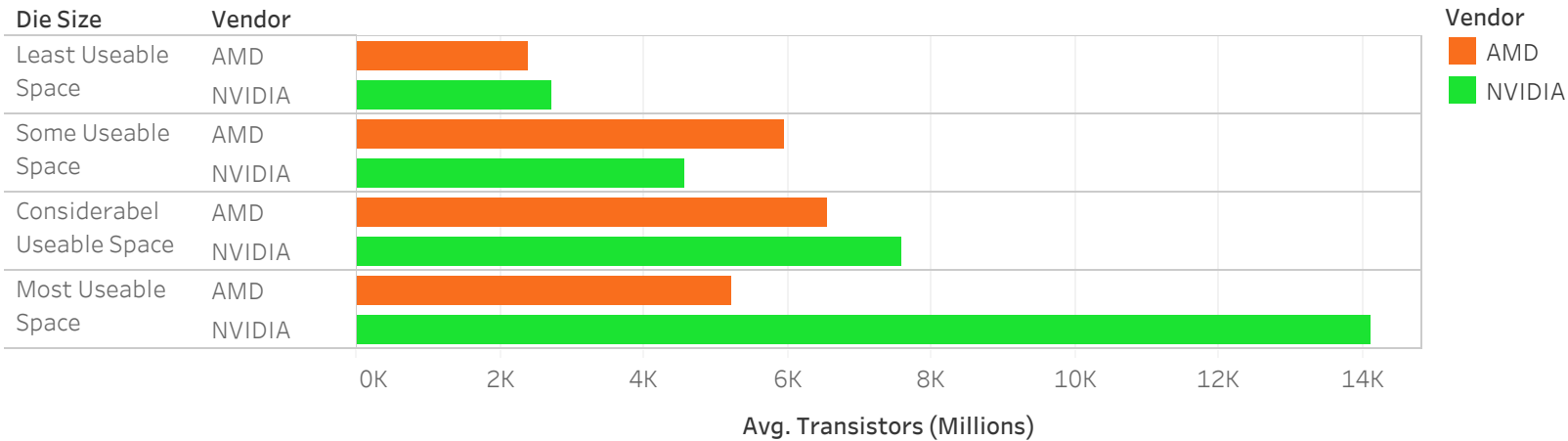
Average of Freq for each FP64 GFLOPS (Billions of Floating Point Operations) broken down by Vendor. Color shows details about Vendor.

**NVIDIA** continues to outperform **AMD** even in FP32 chips, however **AMD** was able to exceed **NVIDIA**'s bottom line on their least powerful FP32 chips.



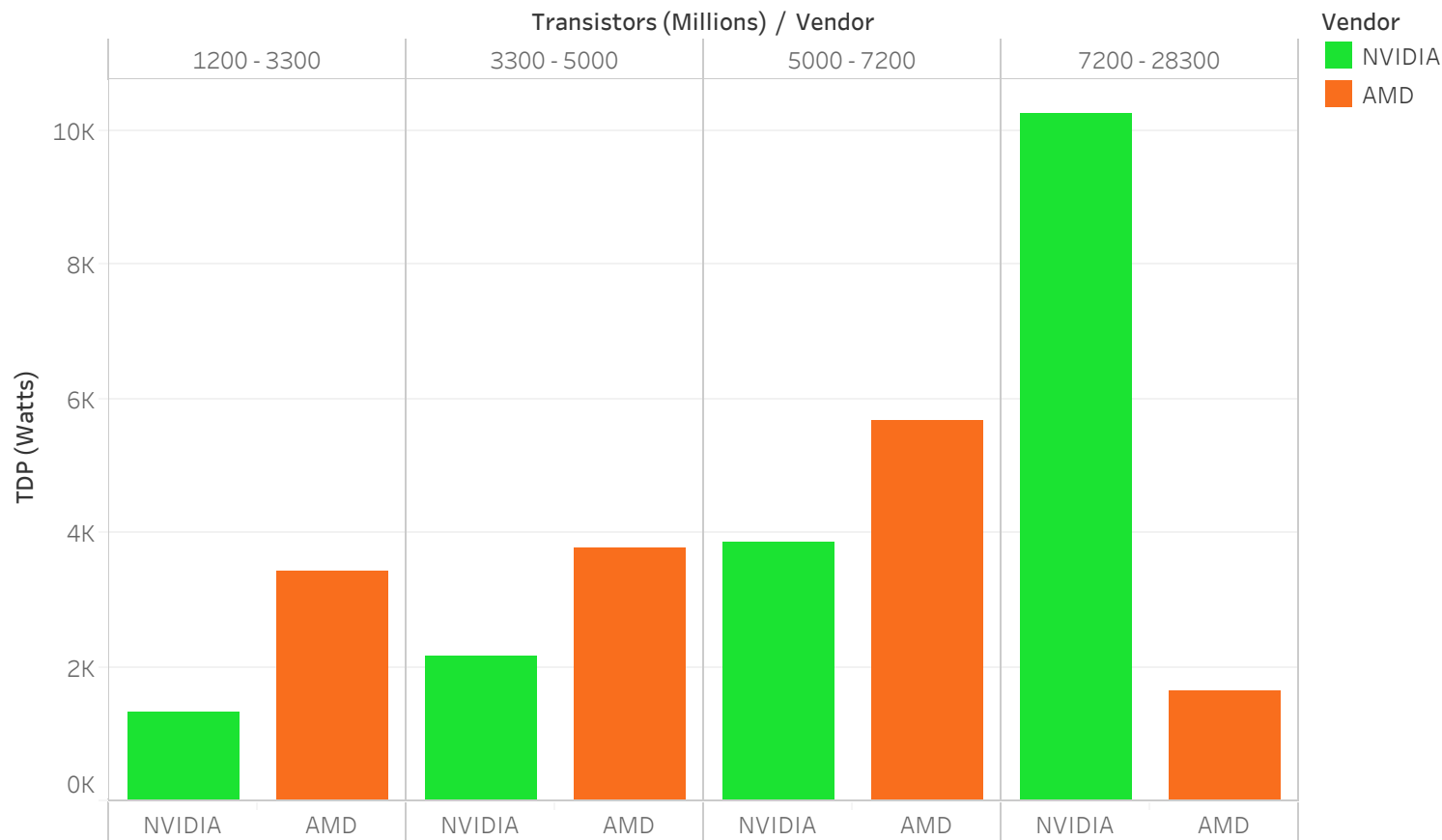
Average of Freq for each FP32 GFLOPS (Billions of Floating Point Operations) broken down by Vendor. Color shows details about Vendor.

NVIDIA vastly outperforms AMD on GPU chips with the largest Die sizes, nearly tripling the number of transistors on those chips compared to AMD hardware.



Average of Transistors for each Vendor broken down by Die Size. Color shows details about Vendor.

For some time **AMD** had a leg up over **NVIDIA**'s TDP ratings, **but** **next-gen chips have seen AMD's TDP drop significantly** while **NVIDIA** continues to rise.



Sum of TDP for each Vendor broken down by Transistors (Millions). Color shows details about Vendor.