The World’s Largest Chip
Cerebras Wafer-Scale Engine

• 46,225 mm² chip
  – 8.5” × 8.5”
  – Built from a 12” wafer
  – 56x larger than the biggest GPU ever made: 815 mm² and 21.1 billion transistors

• 1.2 Trillion transistors

• 15 KWatts!

• 400,000 cores

• Fabbed by TSMC, 98%-99% of wafer area is usable

• 18 GB on-chip SRAM

• 100 Pb/s interconnect (100,000 Tb/s = 12,500 TB/sec)

• Approximately $200M startup capital as of Aug 2019