FPGA Platforms and Tools
July 3, 2020

Xilinx

Artix-7 : xc7a12tcsg325-3
8,000 LUTs – 16,000 FFs – 40 18Kbit BRAMs – 40 DSPs – 150 I/O

Spartan-7 : xc7s15cpga196-2
8,000 LUTs – 16,000 FFs – 20 18Kbit BRAMs – 20 DSPs – 100 I/O

Tools:

Xilinx Vivado 2020.1 (lin64) + Minerva
All results reported after placing & routing.

Intel

Cyclone 10 LP : 10CL016-YF484C6   [minor change of the package entered on Sep. 5, 2020]
15,408 LEs – 15,408 FFs – 56 M9K blocks – 56 MULs – 162 I/O

Tools:

Intel Quartus Prime Lite Edition Design Software, ver. 20.1 + ATHENa
All results reported after placing & routing.

Lattice Semiconductor

ECP5 : LFE5U-25F-6BG381C
24,000 LUTs – 24,000 FFs – 56 18Kbit blocks – 28 MULs – 197 I/O

Tools:

Lattice Diamond Software v3.11 SP2
All results reported after placing & routing.