

FPGAs and Associated Link Rates

Among FPGA vendors, Xilinx and Altera provide a wide range of FPGA device families. The tables below summarize all the SERDES link rates by family and model.

Xilinx FPGA link rates (Gb/s)

	<i>Model / rate</i>	<i>Model / rate</i>	<i>Model / rate</i>
Virtex 6	GTX / 6.6	GTH / 11	
Artix 7	GTP / 6.6		
Kintex 7	GTX / 12.5		
Virtex 7	GTX / 12.5	GTH / 13.1	GTZ / 28.05
Zync 7000	GTP / 6.25	GTX / 6.6	
Kintex Ultrascale	GTH / 16.3	GTY / 16.3	
Kintex Ultrascale +	GTH / 16.3	GTY / 32.75	
Virtex Ultrascale	GTH / 16.3	GTY / 20.5	
Kintex Ultrascale +	GTY / 32.75		
Zync Ultrascale + MPSoc	GTH / 16.3	GTY / 32.75	

Altera FPGA link rates (Gb/s)

	<i>Model / rate</i>	<i>Model / rate</i>	<i>Model / rate</i>
Arria 2	GX / 6.375	GZ / 6.375	
Stratix IV	GX / 8.5	GT / 11.3	
Arria V	GX / 6.5535	GT / 10.3125	GZ / 12.5
Arria V Soc	SX / 6.5535	ST / 10.3125	
Stratix V	GS / 14.1	GX / 14.1	GT / 28.05
Cyclone 5	GX / 3.125	GT / 6.144	
Cyclone 5 Soc	SX / 3.125	ST / 6.144	
Stratix 10	GX / 17.4	GXT / 30	
Arria 10	GX / 17.4	GT / 28.3	