

	JSSC'14	JSSC'05	JSSC'03	This work	
Process	65 nm	110 nm	110 nm	130 nm (Measured)	65 nm (Simulated)
Interconnect type	On-chip	Off-chip	Off-chip	On-Chip	
Synchronizer type	Mesochronous	Plesiochronous	Plesiochronous	Mesochronous	
Controller type	Digital	Analog	Digital	Coarse digital + fine analog	
Adaptive control	No	Yes	Yes	Yes	
Clock domain transfer	No	No	No	Yes	
Data rate	3 Gb/s	10 Gb/s	10 Gb/s	1.3 Gb/s	4 Gb/s
Power consumption	1.08 mW	220 mW	129 mW	1.4 mW	1.5 mW
Supply Voltage	0.9 V	1.5 V	1.2 V	1.2 V	1 V
Area ($\mu m \times \mu m$)	Not reported	250×1400	1600×2600	76×80	48×50