

Binary Bus-2 Routing Tracks		Quaternary Routing Tracks	
Muxes(Bus-2) with N select inputs	$4 * N + 2 * (2^{N+1} - 2)$	Mux with N binary select inputs	$4 * N$
8:1 Muxes(Bus-2) with 3 select inputs	40T	8:1 Mux with 3 select inputs	24T
16:1 Mux(Bus-2) with 4 select inputs	76T	16:1 Mux with 4 select inputs	48T
Buffers(Bus-2)	8T	Repeaters	8T
		4-2 Translators	4T
		2-4 Translators	4T