

Table 1: Summary table of high speed ADC parts, WiP, contributions welcome, JW, July 19, 2018

f_s (GSa/s)	cores	BW (GHz)	bits	Manuf.	Part #	~cost	remarks
5	4	2.0	8	e2v	EV8AQ160	\$300	ASIAA/Jiang SWARM
6.4	4	>10	12	TI	ADC12DJ3200	\$2196	COTS in stock
10.25	>4	6.5	12	Analog Dev	AD9213	\$6451	COTS
12	1	20	4	Adantec	ASNT7120-KMA	\$800	3.5 ENOB, 2W, ZDOK
12.5		8	8	Tektronix Comp.	—	\$17k	formerly Maxtek
15	1	20	4	Adantec	ASNT7122-KMA	\$1.9k	7120 w/ SERDES, PRBS
16	1	20	4	Adantec	ASNT7123-KMA	\$?	clock optimized 7122
20	4/2	8	5	e2v	EV5AS210	\$7k	used for NOEMA, discont.
20		13	8	Keysight	—	—	
20	1	10	3+oflow	Analog Dev.	HMC5401LC5	\$2,863	was Hittite, SAO eval. bd.
20	4/5		6	Pacific Microchip	SBIR	\$3-5k	JESD204B, Esistream
25	1	22	4	Alphacore	A4B25G		w/ SERDES,
25	1	22	6	Alphacore	A6B25G		w/ SERDES,
34	4	20+	6	Micram	ADC3401/2	\$47k	module, ADC30 old price
56	64	20	8	Pacific Microchip	SBIR	\$3-5k	avl Q1 2019
56		13	68	Guzik	WDM5121	—	snapshot, 4 Gpt memory
42 - 68		25	10	Jariet	Williamson ADC	\$??	ASIC IP macro only, NDA
56	320	15	8	Fujitsu	Robin/Blackbird	\$20k	CH AIS, Vadatech
20	1	10	1	Hittite	HMC874LC3C	\$40	clocked comp, no demux
12.5	1	14	1	Inphi	1385DX	—	latched comp, 1:8 demux
25	1	18	1	Inphi	25707CP	—	latched comp, no demux