

Data Acquisition

Components list

The list of components is for a system with eight 3 GSPS, 8-bit ADC or sixteen 1.5 GSPS, 8-bit ADC channels. Up to 4 times the number of channels (32 or 64) can be installed in the 5-slot ATCA shelf.

Table rows of the same color contain options for the same functional component.

Qty	Brand	Description	Reference	~Cost/unit (€)
1	Schroff	ATCA 5U Shelf, 5-slot, AC	11596-012	4500
1	Schroff	ATCA Shelf manager, bussed	21596-300	2000
1	IPFN	ATCA carrier for AMC cards (4x AMC)	ATCA-AMC-CARRIER	5000
1	??	SATA interface AMC card		
1	??	2 TB external disk unit with SATA interface		
1	Kontron	Processor AdvancedMC module with Intel® Core™ i7	AM4020	
1	JumpGen	AMC Intel® Core™ i7 Processor Card	PRM-121	
4	Lyrtech	FPGA AMC card with FMC site (1x FMC)	Perseus 601X	
4	Curtiss-Wright	2 x 3 GSPS, 8-bit ADC, FMC module	ADC512	8000
4	Curtiss-Wright	4 x 1.5 GSPS, 8-bit ADC, FMC module	ADC513	8000