

Ask about:  
**DSP**

## High Performance Modular Data Acquisition



**Create cost-effective customized systems to match your IO requirement:**

Fit anything from 4 to 192 analog input, output and digital channels in one enclosure using ..

A range of high performance simultaneous IO modules based and ..

A range of carriers up to 6 modules each, creating a networked **DAQ Appliance**.

**DAQ Appliances** feature a powerful ARM SOC, deep memory and embedded Linux OS.

Connectivity: Gigabit Ethernet, PCI-Express and fiber-optic links.

**DSP Capability - off the shelf and USER defined.**

**EPICS inside**

## Module Range

	Model	Simultaneous Channels			Comment	
		No.	Rate	Bits		
DAC	AO420FMC	4	1 MSPS	16/18/20	Dynamic Offset & Gain	DSP
	AO424ELF	32/16	500 k/ 1MSPS	16	High Channel count AO	
ADC	ACQ420FMC	4	2 MSPS	16/18	4 input ranges, <b>SNR 94dB</b>	
	ACQ423ELF	32	200 kSPS	16	SAR, High Density, Lowest Cost	
	ACQ424ELF	32	1 MSPS	16	SAR, High Density	
	ACQ425ELF	16	2 MSPS	16	4 input ranges, <b>SNR 94dB</b>	DSP
	ACQ427ELF	8AI/4AO	2/1 MSPS	16,18/16	Multifunction.	
ADC	ACQ430FMC	8	128 kSPS	24	Lowest cost 24 bit ADC	
	ACQ435/6/7ELF	32/16	128 kSPS	24	Voltage/Current/PGA Input	
	ACQ465ELF	32	350/1000kSPS	24/16	24 bit, ADC SNR to 120dB	
	ACQ480FMC	8	80 MSPS	14	Programmable Input, Filters.	DSP
	ACQ482ELF	16	20 MSPS	14	Differential Input, Filters.	DSP
	BOLO8BLF	8	2 MSPS	16	Bolometer ac bridge input	DSP
	Model	No.	Rate	Logic Family		
DIO	ACQ494FMC	4	50MSPS	LVTTTL/LVDS	Quad TDC, GPX2 chip	
	DIO432 / 482 FMC	32	1 / 50 MSPS	TTL	32 bit clocked DIO or Scaler	
	DIO482TD	4/5	50MSPS	TTL	4/5 bit Lemo-00	
	DI460ELF	12	50 MSPS+	LVDS	LVDS AquadB or Scaler	
	DIO422FMC	4	25MSPS	RS422	AquadB IN/OUT	

## Carrier/Appliance Range

Model	Sites	Size			Comment
ACQ1001Q	1	70 mm	x	1U	Minimum Size
ACQ1002R/S	2	150/70	x	1/1.5	Rack / Stack
ACQ1014	2	19"	x	1U	16ch x 80MSPS, 2GB, BNC front panel.
ACQ2106/ ACQ2206	6	19"	x	1U	Fit up to 192 ch in 1U, SFP-to-PCIe, WR + 8GB DRAM, DSP, 10GBE.
Z7IO/ACQ400RTM	3	AMC			Micro TCA .4

