



Signal-DAQ-X Boards

Filling the Gap in Data Acquisition

Optimized for underwater measurements and monitoring

Signal conditioning, sampling and interface via Gbps UDP/IP

Either OEM or a completed product for the end users

Hydrophones, microphones and accelometers compatible

Specifications

Input Voltage Range 9-36 VDC

Simultaneous Sampling Rate Up to 192kHz per channel

Sampling Precision 16 bit (16 MSB of 24 bits sampling)

Input Channels 4, 8, 16, 32, 64, 128

Input Impedance 1 Mega Ohm

Frequency Response Flat from DC up to 96 kHz

Analogue Signal Conditioning (optional) HP filter, pre-amplification (+32 dB), programmable gain amplifier (0 dB to +80 dB with +6 dB steps, settings per each channel seperately)



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Specifications

Total Harmonic Distortion (THD) < 0.002% (0.5 VRMS) level

Spurious Free Dynamic Range > 96.32 dB

Noise Floor (terminated inputs) < -133 dBVrms

Input Connectors 2 way header connector

Drivers No driver is needed and easily connected to any computer with Windows or Linux operating systems

PC Interface Gbit ethernet (optional software to select gain, record data and visualize signal on time and frequency domains)

Software (optional) PC software Signal-SOFT (Windows compatible) to record and analyse data on time and frequency domains

Sensors (optional) Pan, tilt, compass, pressure

Operating Temperature Range 0° to +50°C



Postane Mah. Candan Sok.
No:8/1 34940 Tuzla
Istanbul Turkey



www.sonartech.net