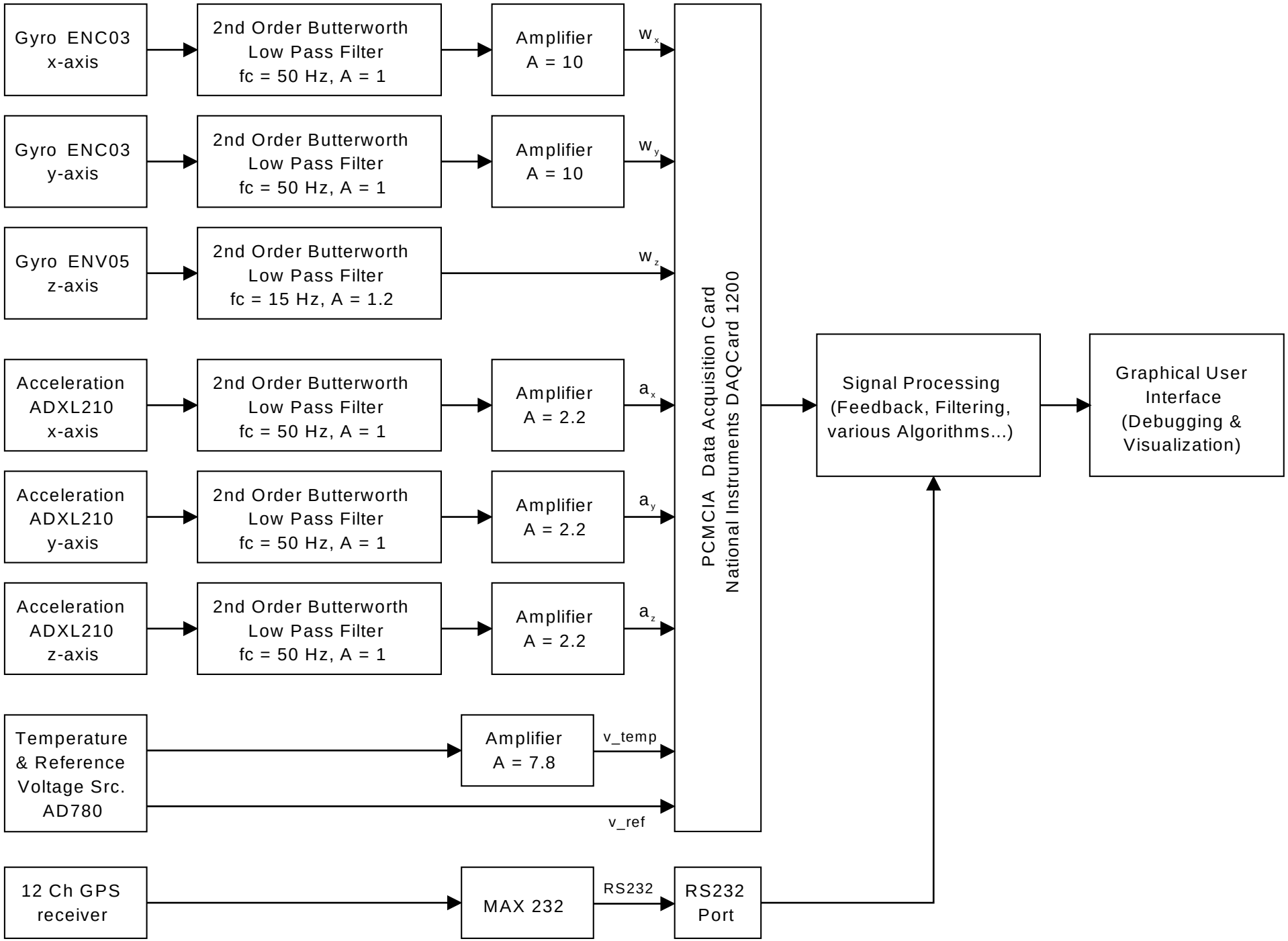
Gyro ENC03 x-axis
2nd Order Butterworth Low Pass Filter fc = 50 Hz, A = 1
Amplifier A = 10
w_x
Gyro ENC03 y-axis
2nd Order Butterworth Low Pass Filter fc = 50 Hz, A = 1
Amplifier A = 10
w_y
Gyro ENV05 z-axis
2nd Order Butterworth Low Pass Filter fc = 15 Hz, A = 1.2
w_z
Acceleration ADXL210 x-axis
2nd Order Butterworth Low Pass Filter fc = 50 Hz, A = 1
Amplifier A = 2.2
a_x
Acceleration ADXL210 y-axis
2nd Order Butterworth Low Pass Filter fc = 50 Hz, A = 1
Amplifier A = 2.2
a_y
Acceleration ADXL210 z-axis
2nd Order Butterworth Low Pass Filter fc = 50 Hz, A = 1
Amplifier A = 2.2
a_z
Temperature & Reference Voltage Src. AD780
Amplifier A = 7.8
v_temp
v_ref
12 Ch GPS receiver
MAX 232
RS232
RS232 Port
PCMCIA Data Acquisition Card National Instruments DAQCard 1200
Signal Processing (Feedback, Filtering, various Algorithms...)
Graphical User Interface (Debugging & Visualization)