Technical Specification for Electro-Hydraulic Suspension System

1. Introduction to the Functions of the Electro-Hydraulic Suspension System

Electro-hydraulic suspension products are designed around the precise lifting control of the tractor's rear suspension and the control of rear hydraulic output. They are easy to install, convenient to use, and provide precise control, which can improve work efficiency, reduce labor intensity, and enhance work quality. They are suitable for pre-installation by tractor manufacturers at the factory and can also be used for individual tractor electronic control modification.

2. Main Functions and Features

1. Precise control, with the lifting error of the rear suspension less than 0.5 degrees.

2. Fast and stable, with an optimized control algorithm, both directional valves and proportional valves can quickly lift and lower to the desired position.

3. Comprehensive functionality, supporting floating mode and forced pressure mode, as well as position control and lifting force control.

4. Easy to install. Apart from the vehicle-mounted computer, only two sensors, one for the vehicle body and one for the boom, need to be installed to start using it.

5. Multi-channel control, supporting various proportional valves and directional valves, and supporting three-channel rear hydraulic output control.

6. Easy to operate, in addition to touch screen operation, it also supports wired handle control and mobile APP control.

7. Video monitoring, supporting 1-2 channels of camera monitoring for implement lifting and lowering.

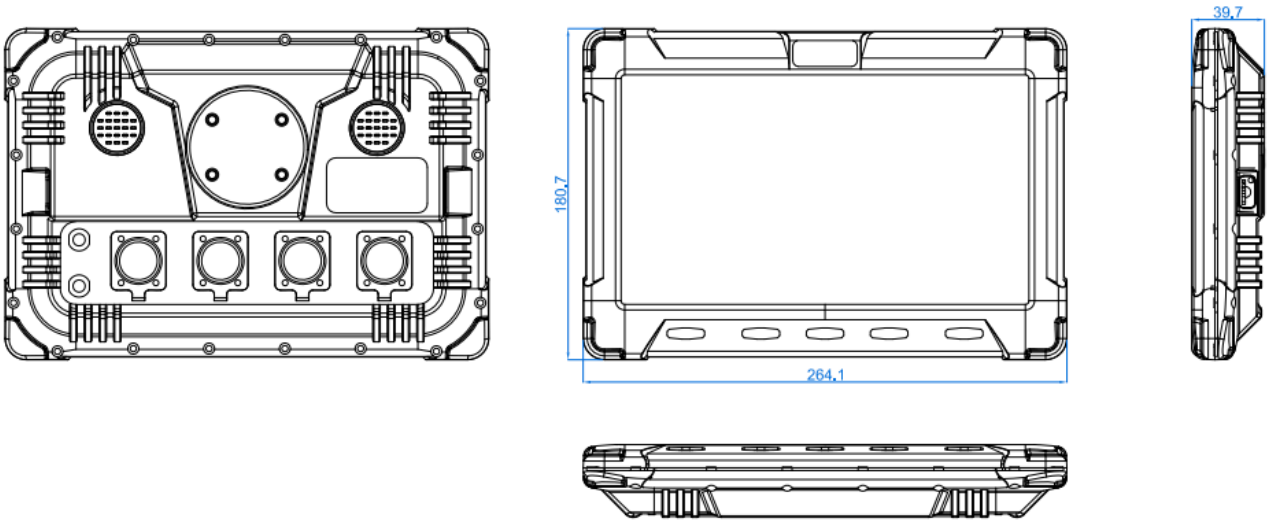
8. CAN bus, which can be used in conjunction with multiple products of our company, such as navigation, land leveling, seeding, spraying, etc.

9. Optional 7-inch and 10-inch in-vehicle computers

3. Dimensions Diagram of Main Components

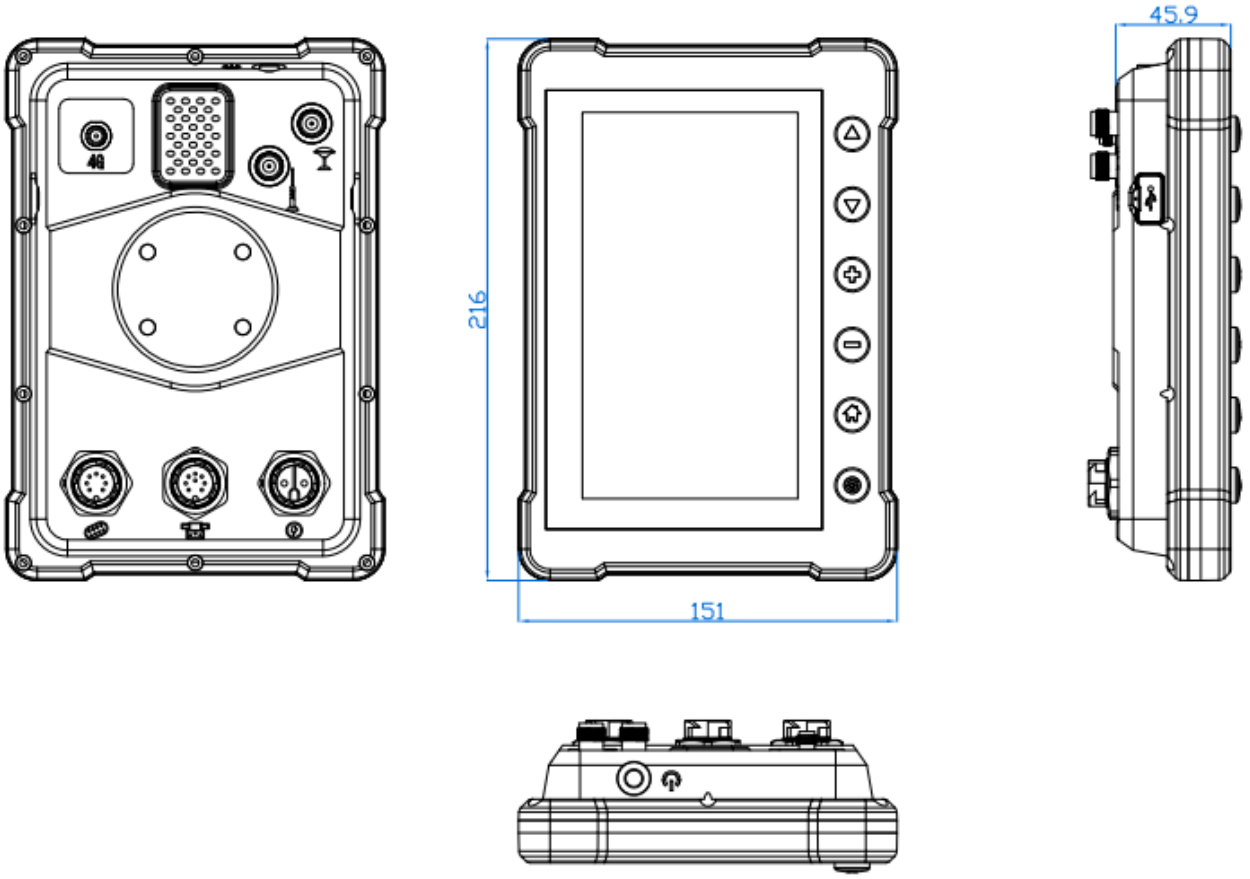
1. Ten-inch in-vehicle computer

10-inch in-vehicle computer	
External Dimensions	264*181*38(mm)



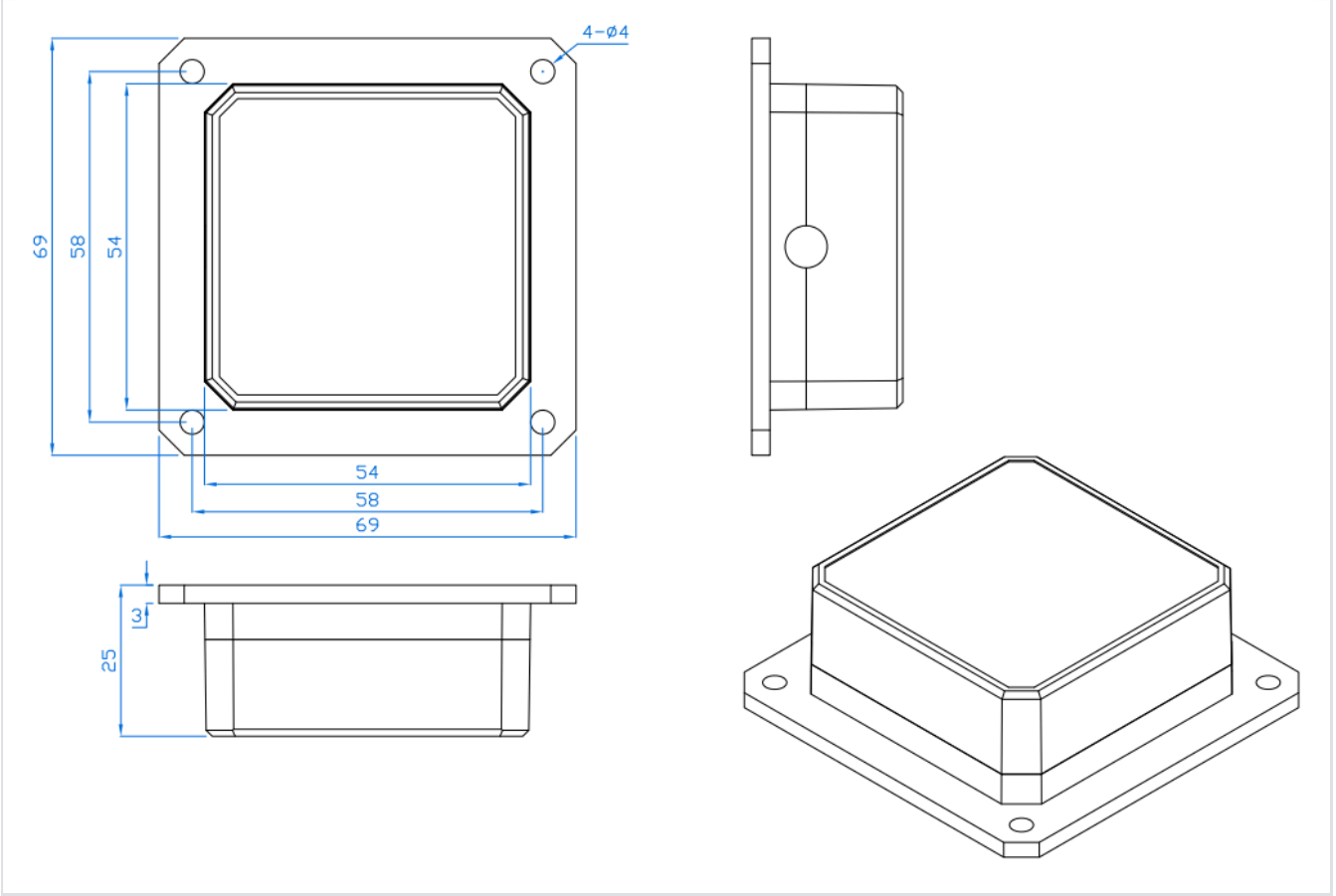
2. Seven-inch in-vehicle computer

7-inch Car Computer	
External Dimensions	216*151*46(mm)



3. Inclination Sensor

Inclination Sensor	
External Dimensions	69*69*25(mm)


4-ø4
69
58
54
54
58
69
3
25