The ALS-ACH HubBox is an industrial grade central server and dashboard for the AlgaeConnect™ Monitoring and Control system. It communicates over standalone wireless frequencies with up to 8 ALS-SPARC2 controller boxes or repeaters. The HubBox natively runs the AlgaeConnect™ software, providing dashboard access to up to 80 sensor parameters or controls from a central location. It can be connected to remotely from any browser on a PC or tablet, or directly with a keyboard, monitor, and mouse. HubBoxes can be integrated into a SCADA system.

### Features
- Connects wirelessly to up to 8 ALS-SPARC2 boxes or repeaters via the ALS-WHUB1.
- Runs the AlgaeConnect™ software.
- Dashboard display of up to 80 sensor or control parameters from ponds or PBRs.
- Numerical sensor/relay data display updated every 2 seconds.
- Automatic control of electrical devices like pumps, lights, valves.
- Historical data charting. (Up to months, 32 GB storage).
- Intranet access from browser on tablets or PCs. Remote login from outside network.
- Datalogging to local database once per minute. Database export to .csv file.
- Event history with sensor calibrations and relay/control activations.
- Simple user setup of sensors and relays.
- Multiple HubBoxes can be integrated into ALS-SCADA or 3rd party SCADA.
- Wireless distances vary depending on topography and can be increased with ALS-REP1 wireless repeaters.
- Related products: ALS-WHUB1 wireless hub, ALS-REP1 wireless repeater, ALS-SPARC2 control box.

### Specifications
- Input voltage: 12-19 Volt (included supply)
- Electrical use: 5-15 watts typical.
- Connections: 4×USB, Power DC Jack, GB Ethernet, Mini-DisplayPort (with adapter for HDMI/VGA), Serial Port, Wi-Fi.
- Indoor/outdoor rating: for indoor use or outdoor cabinet use only. Not IP rated.
- Temperature rating: 0-50 deg C.
- Cooling: fanless, chassis heat sink cooling.
- Dimensions: 142×62×107 mm (5.6”×2.4”×4.2”)
- Mounting: DIN-, VESA-, and Wall mounting options.
- Windows 10 OS, 64 GB SSD, 20 GB storage, Intel i3 Broadwell processor.