



**For Precision Growing High Value/ Medical/
Technical Crops!**

**Greenhouse and Field Environmental Control
Systems**

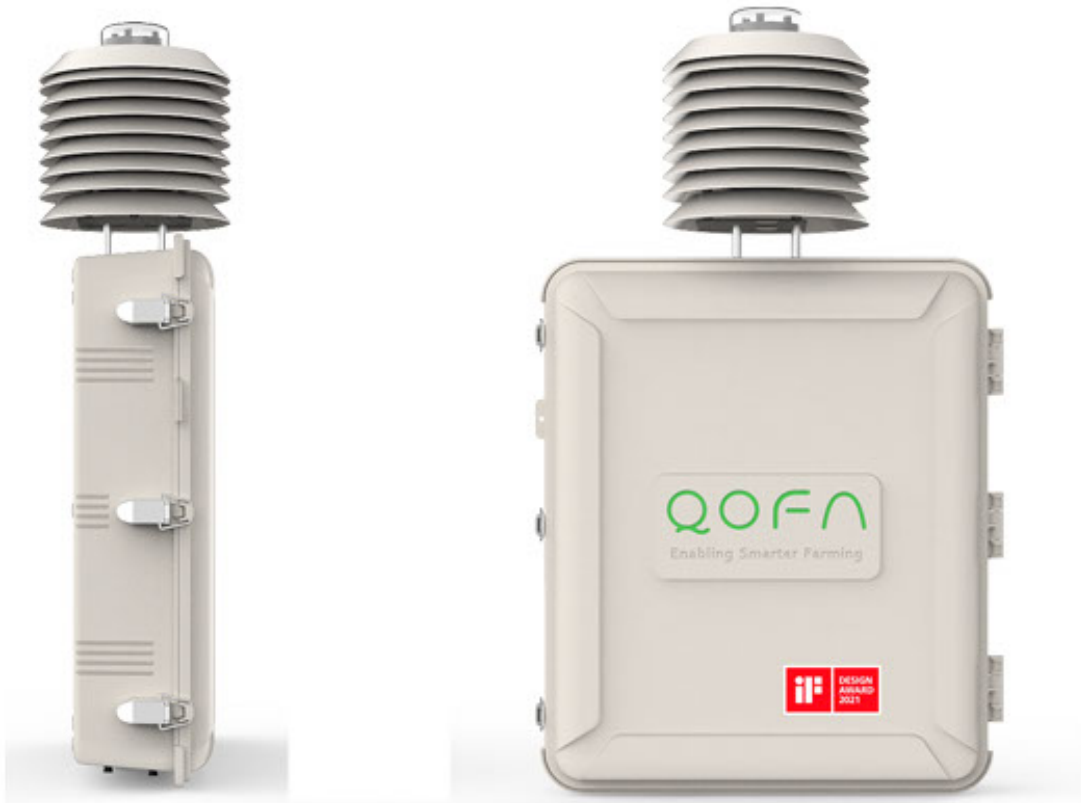


Cannabis aprox \$1600 lb



Ginseng aprox \$550 lb

**Complete Environmental Control Systems
All with Weatherproof Enclosures!
M6/M6L Climate Controller Hybrid System**



SS2- Soil pH Sensor/ SS1 3-in-1 Soil Sensor



M6/M6L: 2-in-1 Climate Sensor Monitoring and Control Station

M6 Hybrid Climate Sensor system with 11 sensor functions: Above Ground: ultraviolet, infrared, illuminance, CO₂, atmospheric pressure, temperature, humidity. Ground: soil pH, soil temperature, soil moisture, and soil EC. Control Station with computer controlled control modules for 16 devices.

P2

M6L has identical Climate Sensor system. Control System only has computer controlled control modules for 5 devices.

Effective Range: 1 M6 or 1M6 Lite covers 10,763 Sq' / 1,000 Sq M

Can add 1 M4 for additional soil sensing coverage up to an additional 10,763 Sq' / 1,000 Sq M .

M4 Soil Sensor Station



M4: Soil Condition Sensing Station

3 – SS1 3-in-1 Sensors: (Soil Moisture, Soil Temperature , Soil EC)
and 1 -SS2 pH Soil Sensor.

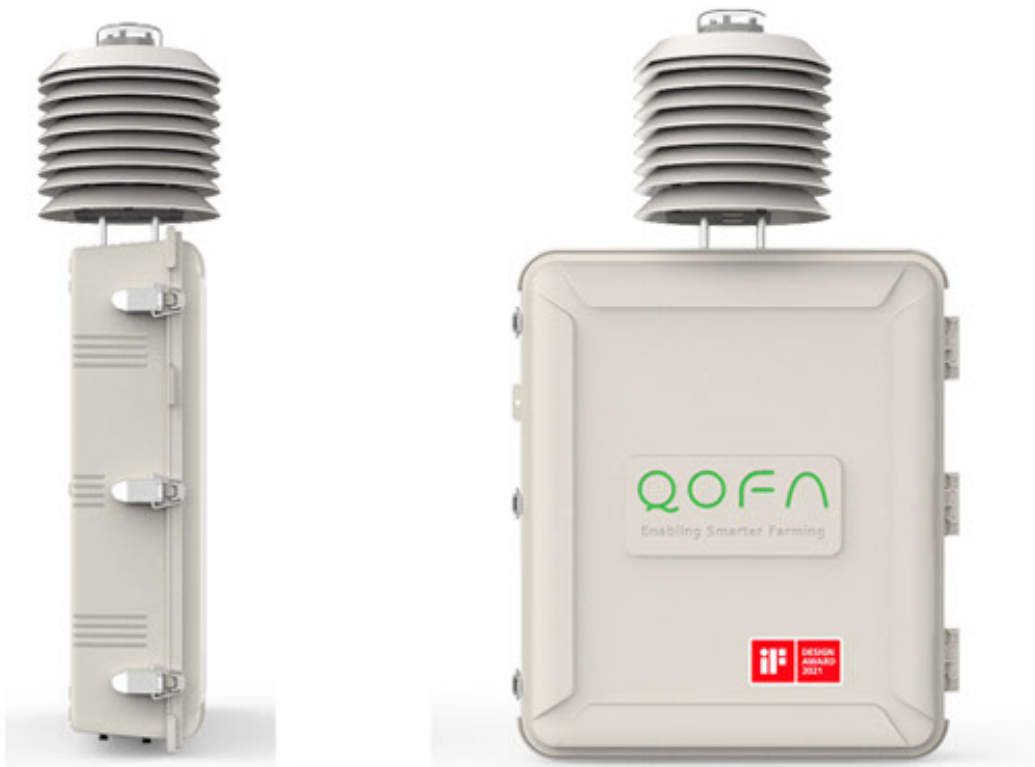


P3

SS2- Soil pH



**SS1-3 in 1 Soil Sensor
M2/M3 Climate/Soil Sensor/Control Combo System**



SS2- Soil pH Sensor/ SS1 3-in-1 Soil Sensor



P4

M2 ClimateSensor Station



M3 is our platform's Control Center. It manages the data flow from M2 station into the 3P: Predictive, Preventive and Precise AI and IoT software. The M3 controller then decides what devices, i.e., lights, fans, etc. need to be switched on and the M2 will sense and determine when the precise targeted result is achieved, i.e., target temperature; which will then inform the M3 controller to switch the connected device off. The AIoT platform allows for the prediction of needed fertilizing and pest and disease activity. It contains 16 relays for switching electrical ancillary equipment, e.g., lights, fans, pumps, sprayers, etc.

Environmental Control Dashboard



The control station AI receives user generated fertigation, and pest and disease prevention information and learns from it to enable better predictive behavior and create a digital twin for the system. The network switching relays connect and control your various auxilliary devices in your smart farm. Controlled devices might include irrigation pumps, fans, sprayers of biological inhibitors, grow lights, etc. It can be used in open farms, vFarms/plant factories or greenhouses. It assists agricultural managers with accurately implementing agricultural management decisions, such as controlling the switches of watering equipment, the greenhouse lights and the fan on/off switches.

It allows the agricultural managers to remotely IoT/cloud control farm growing decisions. An online dashboard control panel is provided so that managers can use communication devices such as mobile phones/tablets/laptops to remotely control farm-land management.

Precision Farm Management
Prevents Overuse of Chemicals
Produces Safe Toxin Free Crops

Additional Sensors



Quanta sensors

SS1-3-in1 Soil Sensor: Moisture, Temp, EC

SS2-Soil pH

SS3-Wind Speed

SS4-Wind Direction

SS5-Rain Volume

Connector Wire length is 65'/20M

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