



helioCORE™

Setup Manual

Heliospectra
Horticulture
Fixtures



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Disclaimer

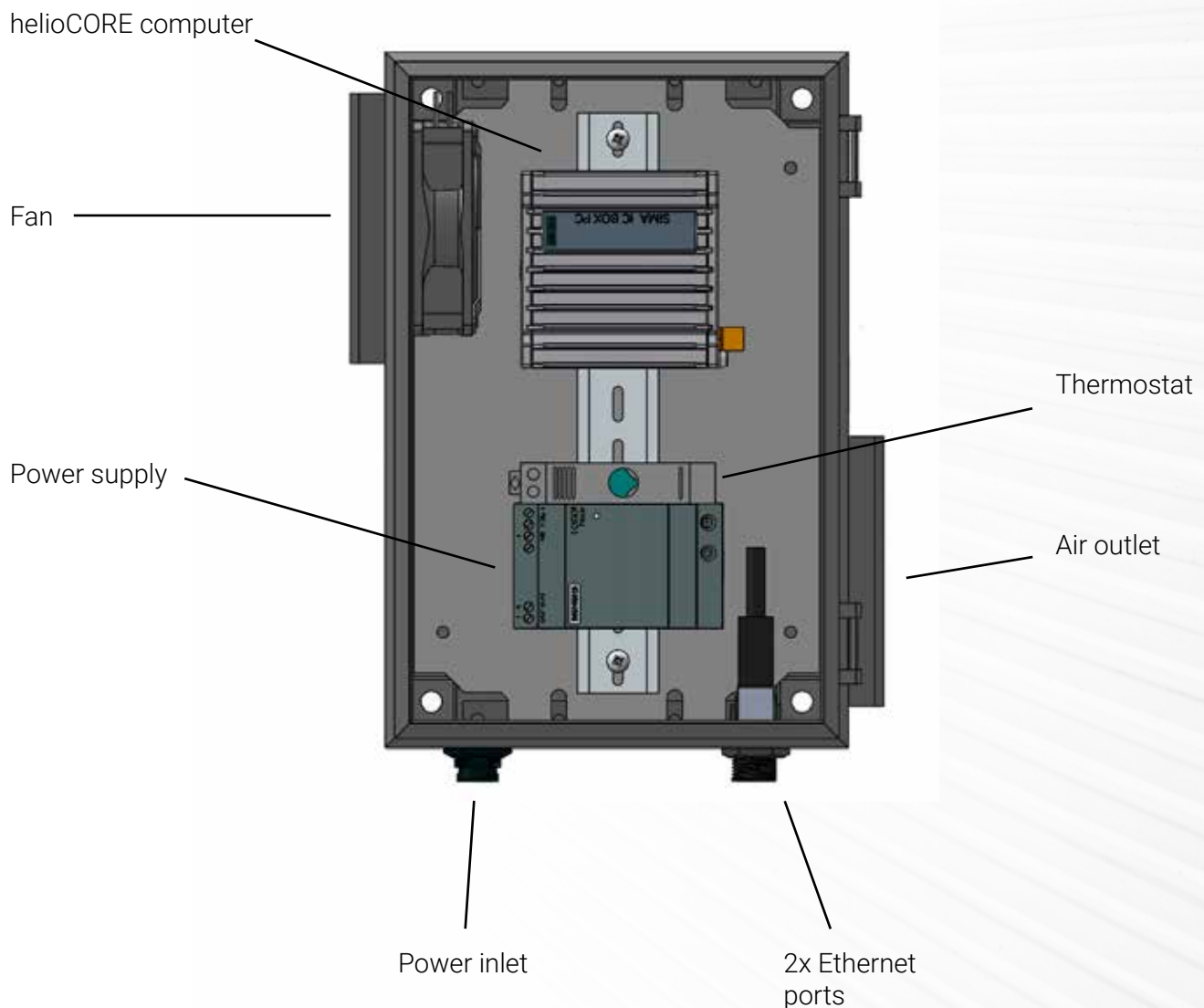
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1. Product Overview

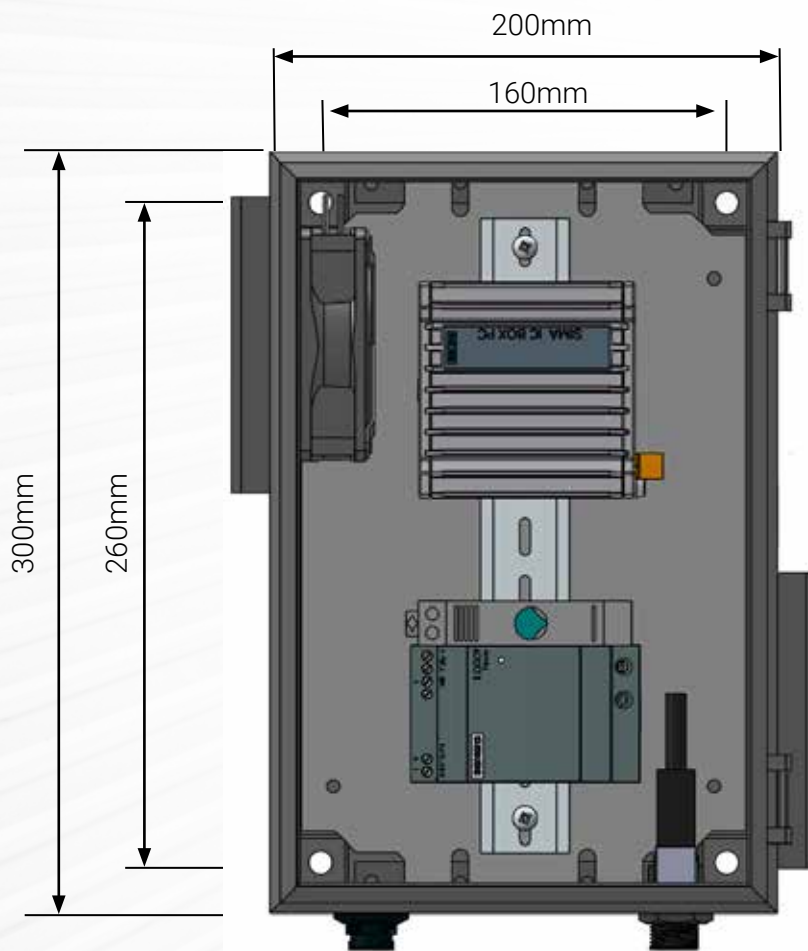
Specifications	
Power	84W
Input Voltage	100-240 VAC
Input current	1.22 @ 120 VAC 0.66 @ 230 VAC
IP rating	IP24
Weight	4kg (8.8 lbs)
Dimensions	300x200x160mm
Temperature	-25 ... +70 °C (operation) -40 ... +85 °C (storage)
Humidity	5 ... 90% no condensation
Certifications	UL, CE, ROHS



2. Box Installation

2.1 Wall Mounting

Mount the box to a flat sturdy wall. The box weight is 4 kg (9 lbs), so please take the appropriate measures to make sure that the box is stable. Ensure that the inlet and outlet fans are not covered or too close to any nearby obstruction as to allow for a steady cooling airflow through the product. Place the box in such way, so that it is available for service and maintenance. A good reference is to place the box so there is a minimum of 1.2m (47.3 inches) free space in front of the box and a minimum of 1m from the ground. Mounting the cabinet, please use galvanized or stainless M6-M8 screw that withstand humid environments over time.

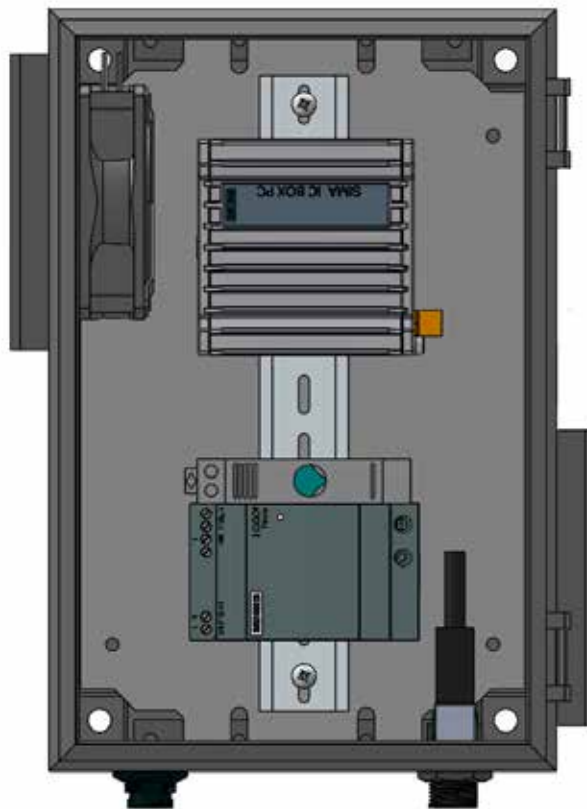


The box has prefabricated mounting holes designed for M6 screw installation. Note the dimensions in the figure above.

2.2 Power Connection

Connect the power cable included in your delivery. The power cable is available with different plugs for US and Europe. There is also a pigtail version for other type of plugs or connections. No connection needs to be made inside the Heliocore box, all connections are made through the quick connect connector on the outside of the box.

The power cable must be plugged into a grounded outlet or connected to a connection point with grounding. This connection should also be protected from surges by use of a surge protection device according to IEC 62305 or IEEE 1100-2005.



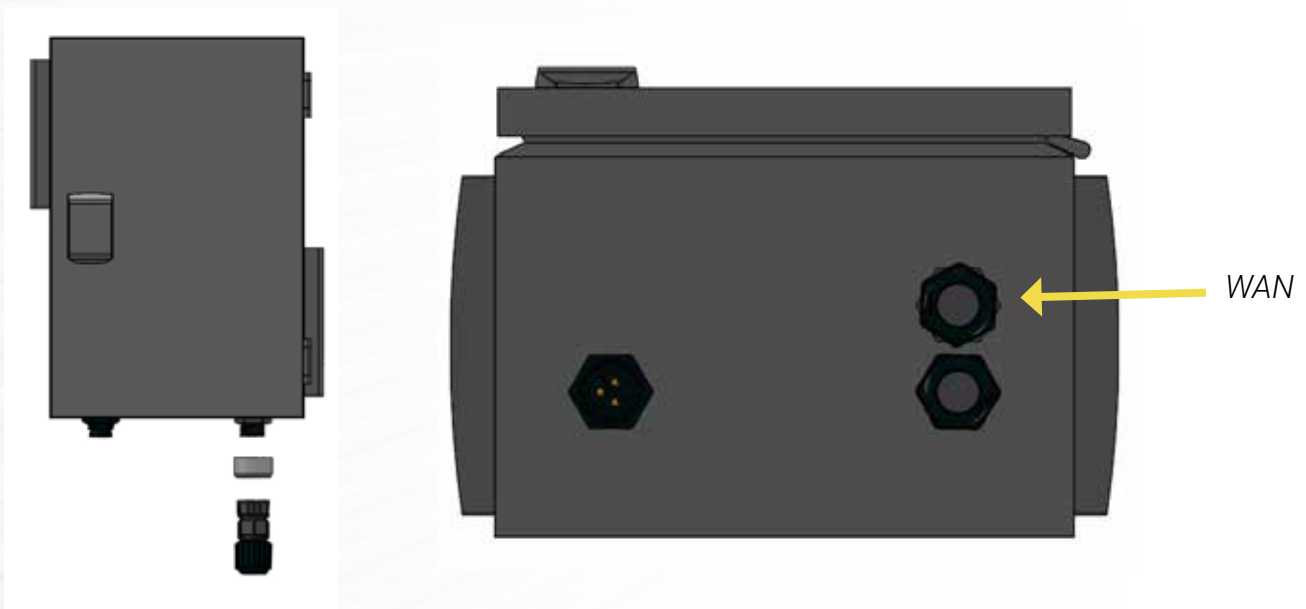
Power cable entry

2.3 Wide Area Network (WAN) - Internet Connection

The helioCORE system should be connected to a “WAN” network, that normally is the facilities network. From this network, the user interface of the helioCORE could be accessed. This network needs to have a dhcp server that can assign the helioCORE with an IP-address.

If the helioCORE system needs to be accessed remotely or to enable Heliospectra remote support services, the facility network needs to be connected to the internet and some options need to be set in the network firewall to allow external access. Please advice the facilities network administrator.

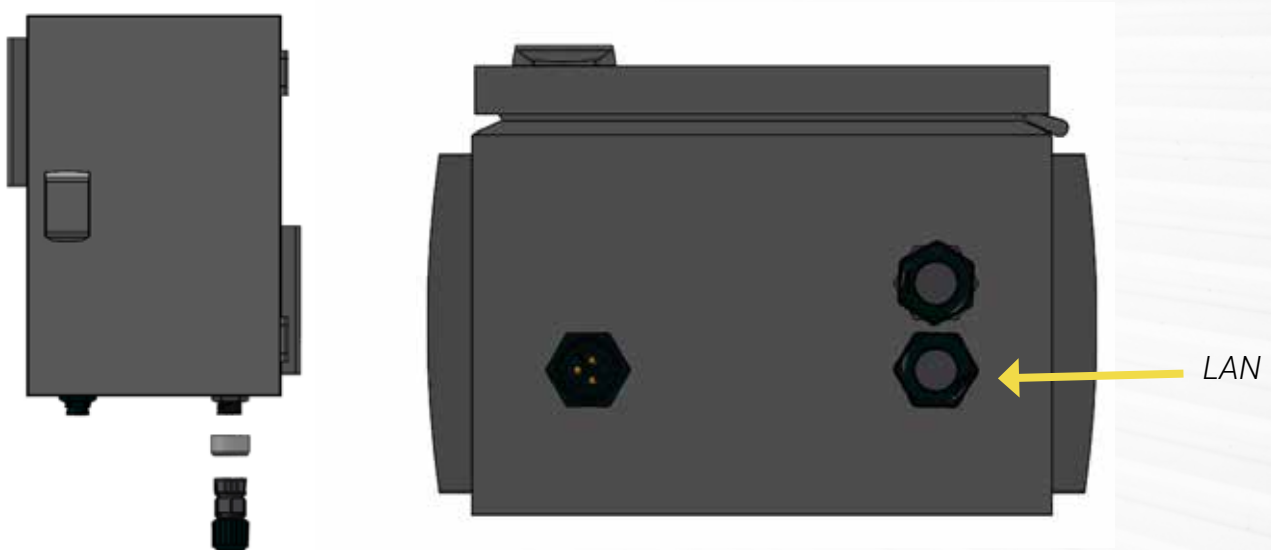
Connect helioCORE to the facility network by plugging in the ethernet cable from the facility's network to the “WAN” port as shown below. If the helioCORE is placed in a damp location, the included sealed connector should be used to ensure a water sealed connection of the ethernet cable.



2.4 Local Area Network (LAN) - Light Network

Heliospectra recommend all customers to use a network consultant to design and setup a local light network that is adapted to the facility and current conditions.

helioCORE™ communicates with all lights and sensor hubs via a local area network (LAN) and can control all lights connected to the network, independent if they are connected through cable or wifi. The light network should be connected to the helioCORE by the LAN connector shown below.



3. Startup Software

Finding helioCORE™ in the network and accessing the user interface

helioCORE will be assigned an IP-address from the connected DHCP server. Please inquire the assigned IP address from the DHCP server look up table. The helioCORE interface could be accessed by typing the ip address in your web browser on a machine that is connected to the same WAN network as the helioCORE.

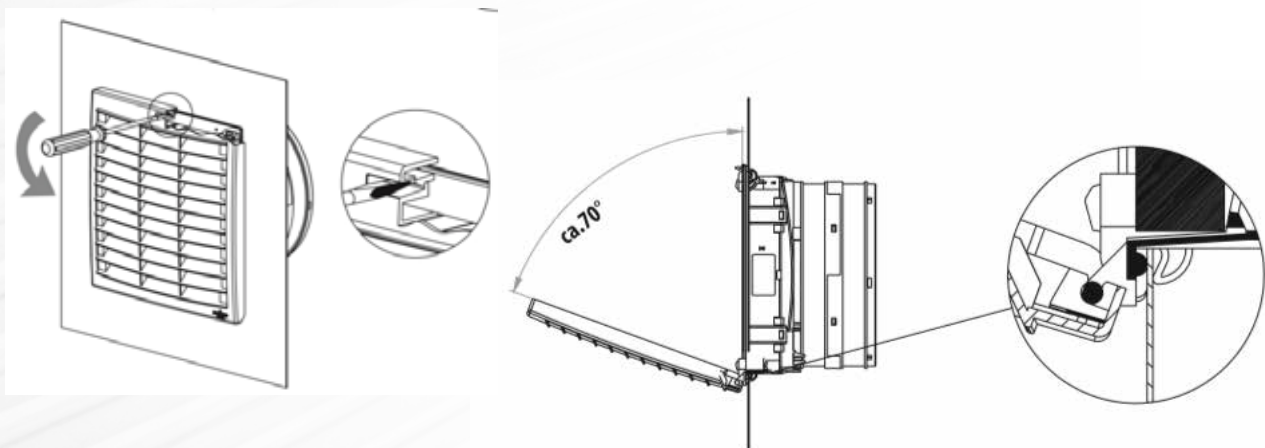
`http://ip-address`

On Linux, macOS and Android, the interface could be accessed directly by hostname:

`http://heliocore`

4. Maintenance

The only maintenance that is needed for the helioCORE™ is to secure that the airflow through the fan unit is sufficient. The air through the unit is filtered by a filtermat located in the upper fan unit. Secure the airflow by monitor the degree of soiling of the filter mat. If required, replace, blow out or beat the filter mat clean. If filter need to be exchanged, replacement filters could be acquired directly from Heliospectra.



5. Support

For support questions and more information about the product, for example full product manual, visit support.heliospectra.com/portal or scan the QR code to go straight there.



6. Warranty

helioCORE carry a warranty that the hardware components will be free from defects in material and workmanship for a period of three (3) years from the date of delivery. The warranty extends only to the original Buyer of the Product and may not be transferred or assigned by the original Buyer. The warranty only applies to sales directly through Heliospectra or any authorized reseller. If the Product was purchased through an authorized reseller, the same terms shall apply, but any claim shall be made via the reseller who sold the Products to the original Buyer. For extended information about warranty, a full version of Heliospectra General Warranty Terms and Conditions can be found in the support portal.



Contact Details

Got questions? Or need info related to how to set up helioCORE's user interface?
Visit our Support Portal for User Manuals, articles and videos. <https://support.heliospectra.com/portal/en/home>

Or sent our dedicated support team an email at support@heliospectra.com

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