5670 ActiveAhead Controller

The Helvar ActiveAhead Controller (AAC) connects a wireless Helvar ActiveAhead Lighting Control System to the Helvar Insights Platform.

The Insights platform, which is hosted in Amazon Web Services (AWS), transmits data to and from to the Lighting Control System via the AAC. A valid Helvar Insights contract is required for the service to be used.

Key Features

- Connectivity to Helvar Insights
- Pre-configured for easy setup
- Over the air updates
- PSU included
- Mounting plate included

Security

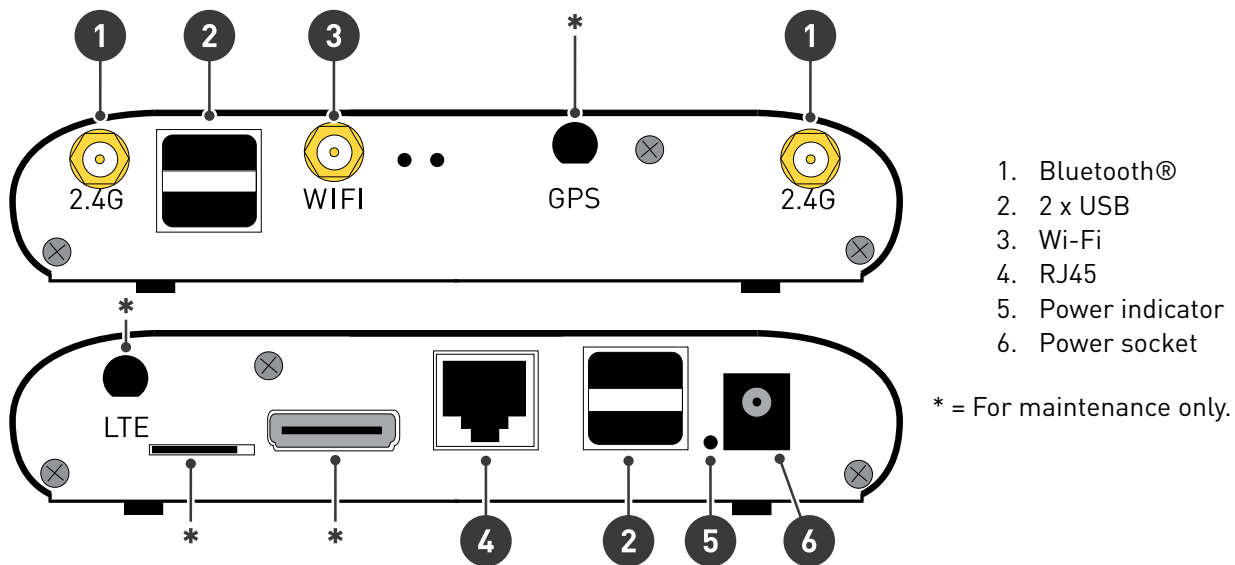The AAC is shipped pre-configured and no passwords are stored locally.

The AAC is mapped to a unique site and can only access and collect data from that site.

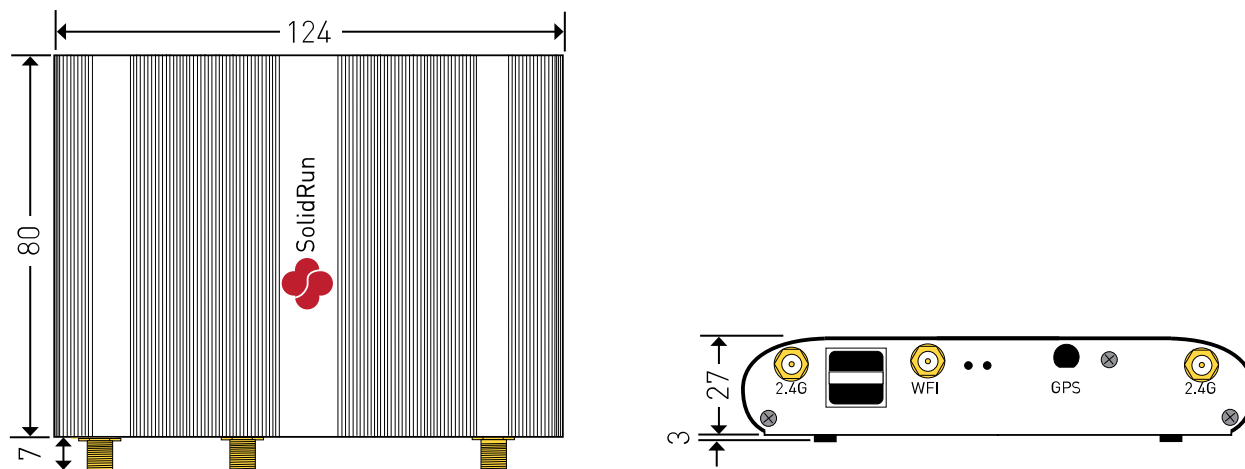The system uses a combination of MQTT and HTTPS to communicate between the AAC and Helvar Insights.

These communications are secured by leveraging TLS 1.2 at the transport layer. The cipher suite used for TLS is ECDHE-ECDSA-AES128GCM-SHA256. For HTTP communications 'AWS signature version 4' is used for authentication between the AAC and Helvar Insights.

Firewall requirements are available in a separate document, "ActiveAhead Controller (Gateway) Pre-sales Requirements and Information".

Connections

1. Bluetooth®
2. 2 x USB
3. Wi-Fi
4. RJ45
5. Power indicator
6. Power socket

* = For maintenance only.

Dimensions (mm)

Technical Data

Connections

Ethernet:	1 x RJ45 10/100/1000 (max 470 MB/s)
USB interface:	4 x USB 2.0
HDMI:	1 × HDMI-out

Wireless connectivity

Frequency:	2.4 GHz
Technology:	Bluetooth®
	Wi-Fi

Electrical data

Power input:	12 VDC, 0.33 A
Power consumption:	4 W

Operating and storage conditions

Ambient temperature:	+5 °C to +40 °C
Relative humidity:	Max. 85 %, noncondensing
Storage temperature:	-5 °C to +50 °C

Mechanical data

Dimensions:	124 x 87 x 30 mm
Weight:	325 g
Mounting:	Mounting bracket
IP rating:	IP20

Conformity and standards

Conformity:	CE UKCA
EMC emission:	EN 55032
EMC immunity:	EN 55035
RED:	EN 300 328, EN 301 489-1, EN 301 489-17
Safety:	EN 62368-1
Environment:	Complies with WEEE, RoHS and REACH directives.

Compatibility

Helvar ActiveAhead:	v1.18 and above