WISEWATTS
SOLUTIONS

DATA SHEET

ENISCOPE AIR CONNECT

Your pathway to a truly smart building.

Overview

Occupying an important position at the very centre of the Eniscope Air suite of products, the Eniscope Air Connect is a radio transceiver that enables all 'Air' devices to communicate with the master Eniscope system.

Eniscope Air Connect introduces the conditions required for a truly IoT connected building to exist. Providing the LoRa network that all Eniscope Air products rely on, this small but powerful device is a true 'facilitator' for effective energy saving projects.

The device is backwards compatible, allowing it to work with almost all incumbent Eniscope devices anywhere in the world and has been engineered with 'high availability' top of mind, ensuring your sites can function seamlessly at all times.

What does 'high availability'mean for you?

Air Connect enables the network that all Air devices work on, monitoring and controlling your key assets to provide both energy saving and smart building improvements. But what happens if there's a network outage?

The schedule and configuration of the system is stored in non-volatile memory on the central Eniscope Hybrid device, connection to the Cloud is only required for updates to these. So once the initial configuration is done, the system can work perfectly without internet access!

And if there is a fault - the system defaults to an 'output on' mode, ensuring your assets aren't made unavailable in the unlikely event of a system fault.

Key features

Supply Voltage	5V DC Via Eniscope USB
LoRa Wireless Bands	Band 1 - 16 Channels, 865MHz – 870MHz Band 2 - 16 Channels, 915MHz – 925MHz
Wireless Transmission Power	0.049 Watts
Wireless Range	Line of sight 1000M Indoors 100M*
FCC Wireless Approvals	FCC Part 15C FCC Identifier SLW-ERALORA Equipment Class Digital Transmission Systems
CE Wireless Approvals	Radio Equipment Directive 2014/53/EU Product Identification eRA-LORA
Test Standards Radio	EN300 220-1 V2.4.1:2012, EN300 220-2 V2.4.1:2012
Test Standards LVD	EN60950-1:2006+A11:2009+ A1:2010+A12:2011+A2:2013
Test Standards EMC	EN301 489-1 V1.9.2:2011, EN301 489-3 V1.6.1:2013
Test Standards Health	EN62479:2010

Air Connect Approvals **Low Voltage Directive**	77/23/EEC
EMC Directive	EN60730-1:2016, EN5022: 2010, EN61000-4-2:2009, EN61000-4-3:2006+A2, EN61000-4-4:2012, EN61000-4-5:2014, EN61000-4-6:2014, EN61000-4-11:2004, EN 6100-4-8: 2010, EN6100-3-2: 2019, EN6100-3-3: 2013, EN300 220-2 V3.2.1, 4.3.1, 4.2.2
Enclosure type	Polycarbonate
Enclosure rating	IP20
Operating temperature 1000M	-20 - +60° Altitude
Dimensions (Including Standard Antenna)	H 118, W 100, D 12mm
Weight	0.05Kg
Safety	EN 60730-1:2016

The Eniscope Air Connect device opens up a world of possibilities for us and is very much the facilitator of our other products in this range. It truly puts the 'Air' in Eniscope Air!

Discover the full range

No WiFi connection Required.

With a dependable LoRa network, this device limits the need for unreliable and costly WiFi networking.