



# Rogue Waves Aethon Data transmitter / receiver

**Rogue Waves Aethon data-over-RF is a flexible solution that can be configured for sending and receiving data streams over the air for different use cases, via Ethernet and RS232/RS485/RS422.**

**Aethon** compact design has multiple mounting options, control of the unit is via the RW Web GUI. The radio operates in the 2.2-2.5GHz frequency range.

## Key points

- PoE
- Serial RS232
- Serial RS422/485 4 wire
- Serial RS485 2 Wire
- TCP Client or Server
- UDP
- Uni or bidirectional (half duplex)
- Multiple mounting options
- Long Range
- Multi purpose
- 2.2-2.5GHz operating frequency

**Rogue Waves specialises in video and data wireless systems.**

Our product line is developed from years of experience in film and broadcast which grants us an insight into the real world problems.

## Configurations & Part Numbers

- RW-DATA-AEE



## Specifications

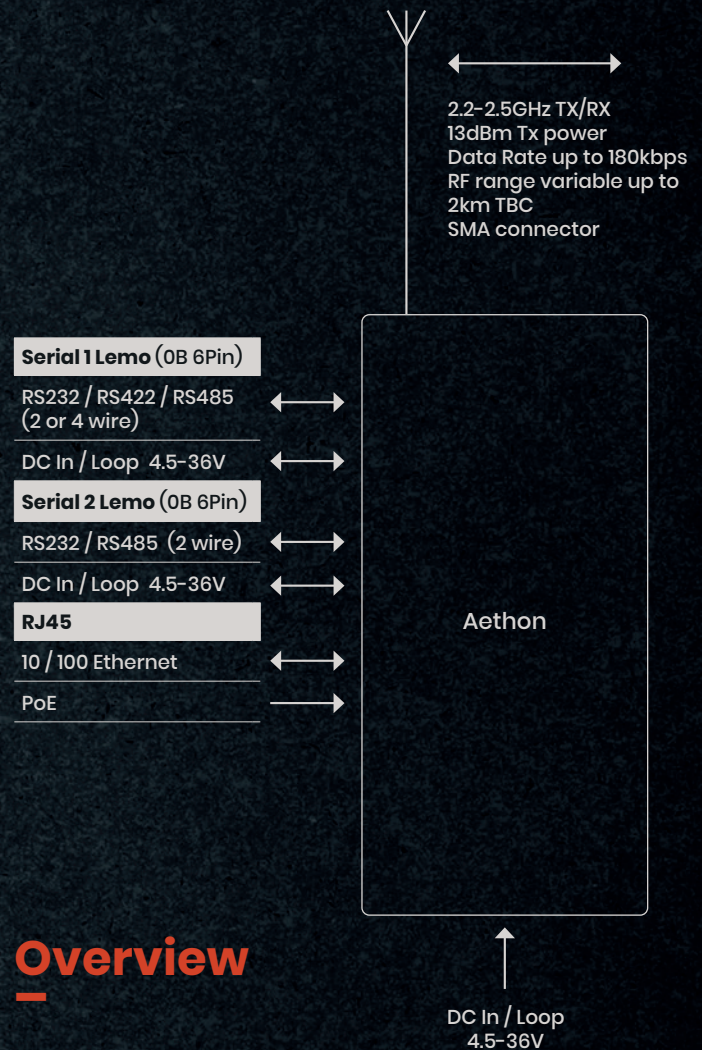
Part Number - RW-DATA-AET

General Specifications	
Input Voltage	+4.5 ... +36 VDC
DC Connector	2 pin Lemo 0B
Antenna Connection	SMA (f)
Size (h/w/d)	76.4* x 60 x 24mm (*main body 86mm inc SMA protector)
Weight	180g
Size (h/w/d)	3 x M2 for wedge plate 1 x 3/8 inch 4 x M3
Radio Interface	
Frequency	2200 ... 2500 MHz
Channel Width	200, 400, 800, 1600 kHz
RF Power	17.5mW (+12.5dBm) Max
Raw Data Rate	595 bps ... 253910 bps
Sensitivity	-130dBm (@595bps) -99dBm (@253.9kbps)
Max Data throughput	181kbps
Serial Interface 1	
Protocol	RS232, RS422, RS485 (Half Duplex) switchable
Baud Rate	250kBaud (RS232), 1MBaud (RS422/485)
Connector	6 pin Lemo 0B
Serial Interface 2	
Protocol	RS232, RS485 (Half Duplex) switchable
Baud Rate	250kBaud (RS232), 1MBaud (RS485)
Connector	6 pin Lemo 0B
Ethernet	
Speed	10/100M Auto MDIX
Connector	RJ45
PoE (Powered Device)	IEEE802.3a Compliant
LED	Connection/Active & PoE valid

\*All information is subject to change

## Configuration overview:

The unit is configured via web browser, all standard options are available to the customer in the GUI.



## Overview



Uni or Bi  
Directional



2.2 to 2.5GHz  
Range