

# Technical Data

## A440 Wireless Modem



### A440 Wireless Modem

- **Device type**  
Wireless modem
- **Product highlights**  
IP-67; 20km range and even beyond depending on installation
- **Data transmission**  
Radio communication (430-470MHz), 500mW

|                       |                                                         |
|-----------------------|---------------------------------------------------------|
| Dimensions            | 119 x 79x 60 mm                                         |
| Weight                | 590g                                                    |
| Connectors            | 1 x RS-485 to connect to A850<br>1 x TNC to antenna     |
| IP Protection         | IP-67                                                   |
| Power Supply          | via the RS-485 connection to the A850 Telemetry Gateway |
| Mounting              | Mast mounting bracket                                   |
| Operating Temperature | -30°C ... +60°C                                         |
| Tx Output power       | 500mW e.r.p.                                            |
| Rx Sensitivity        | -120dBm (10 dB S/N)                                     |
| Channel spacing       | 10 / 12.5 / 25 kHz (factory preset)                     |
| Antenna               | Omni-directional, 0dB                                   |
| Antenna connector     | TNC with external seal                                  |
| Frequencies           | 430 ... 470MHz (in 4 bands of 10MHz each)               |
| Approvals             | R&TTE, CE, FCC, Industry Canada, ACMA Australia         |