

# RMM-W Modem

Global monitoring solution for refrigerated containers. Now with Bluetooth for short range communication.

- Build in Bluetooth interface supporting REFCON Wireless
- Optional RMM interface supporting REFCON Powerline (ISO 10368)
- State-of-the-art battery technology with +10 year lifetime
- Designed to fit into every reefer type in the market
- Remote Reefer log-file download
- Remote modem and reefer controller flash-load

## Description

The ProAct™ RMM-W modem is a cellular remote communication device designed for the global refrigerated marine container market.

Refrigerated containers equipped with RMM-W modems are able to send operational data, including alarms and temperature history to ProAct™ Transport. With two way communication functionality, the RMM-W modem can also receive commands, allowing users the ability to manage various reefer functions remotely, such as changing set-points and initiating defrost.

Downloading logs from a reefer is often a time consuming and costly task, requiring manual intervention from onsite personnel. With the RMM-W it's possible to extract the log from the controller and remotely download the data file from any computer. In addition to reducing operational costs, remote download functionality offers the users the resource to expedite clearance times with USDA and other authorities, ensuring the fastest time to market for perishable commodities.

Controller software is a key performance driver for power consumption and reliability of your reefer asset. RMM-W lets you update the software remotely with a push of a button, minimizing the high labour costs attributed to manually to manually updating software versions in the field.



Emerson's RMM-W modems are fitted with a Global Navigation Satellite System (GNSS) for the best around the world coverage. Accurate positioning and tracking information ensures visibility of your assets, valuable information in the event of claims, managing ETA's and monitoring current locations.

To maintain a continuous positioning data stream, even when the reefer is off-power, the RMM-W has been fitted with a high-end lithiumion battery. Advanced algorithms give up to 280 days standby time per charge. The standby time of a 10 year old modem is approx. 220 days.

## ProAct Transport Map:



## RMM-W Standalone

As a standalone modem, the RMM-W offers you a simple but effective single set-up with cellular connectivity and tracking of your reefer worldwide. A bracket system is included for a simple installation

## RMM-W and RMM Combo

The RMM-W is designed to work together with an existing RMM powerline modem (ISO10368). Offering you the same features as standalone combination, but with added powerline communication for REFCON connectivity. RMM-W installation methods vary depending on the reefer manufacturer.

## Retrofitting in the field

Retrofitting is made easy with either an RMM-W standalone or a combination solution. The modem comes with a simple installation system; plug and play wire harness, high end cellular and positioning antenna are all included in the same kit for easy management on site. Detailed installation guides are available online



## Environmental Specifications

Operation temp.	-30°C to +55°C
Humidity	Max 95%RH non-condensing
Ingress Protection	IP65 (when installed acc to instructions)
Shock	20G operating 50G non-operating
Vibration	5 - 500 Hz, 2g, 3 axes

## Physical dimensions

Length	216 mm
Width	89 mm
Height	36 mm
Weight	303 g



## Electrical Specifications

Power supply	24Vac RMS + 10/-30%
	10 - 37,3 Vdc
Rechargeable Battery	4 V, 660 mAh
Short range communication	Bluetooth Low Energy 5

## Supported reefer Controllers

Carrier	Microlink 2i Microlink 3
Daikin	DECOS III (3), c, d, e, f, g, h, j DECOS V (5)
Star Cool	RCCU5

## Memory

Storage of minimum 100 days of Reefer data on the device, without GSM coverage. By full memory “first in - first out” principle is used.

