

# REFCON Portable Modem

## Site refrigerated container monitoring solution with full site coverage

### Improve cargo quality

Alerts you of problems before potential cargo damage

### Reduce operational cost

Optimizing operational productivity with reduced manual labour and maintenance due to battery less design

### Improve personnel safety

Minimize time spent in reefer areas or bays

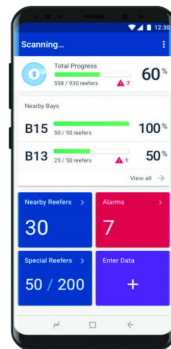
### Improve documentation

Records reefer container data and generates reports automatically

### Reduce human errors

Verifies planning parameters and alerts you of mismatch

The REFCON Portable Modem is a simple solution solving a complex problem within the refrigerated container industry. The visibility is key to ensure the wellbeing of the refrigerated containers and its cargo. However on vessels or terminals today this visibility is at best limited, often leading to undiscovered alarms, incorrect setpoints etc. This means nonoptimal and time-consuming manual processes for monitoring the refrigerated containers to ensure the safety and health of the cargo.



REFCON mobile

The REFCON Portable Modem connects easily to any current refrigerated container. Either directly to the log retrieval plug or with an extension cable depending on the application. From here all data is wirelessly sent to REFCON where data and alarms can be handled by the crew.

The REFCON Portable Modem can also be used in an application where infrastructure is unavailable. This could be on short-term charter vessels or on peak season terminal storage areas. In these cases the REFCON Mobile app can be used by the crew together with a mobile device for a fast and automatic data and alarm collection enabling a flexible monitoring solution.

Data security is a top priority for us and the REFCON Portable Modem solution is no exception. Therefore the newest Bluetooth Low Energy 5 is selected as the wireless interface giving high security standards and ensuring the highest data security available. The REFCON Portable Modem is also equipped with unique burned in security keys for additional protection against external threats.



## Data sheet

### Refrigerated container compatibility:

Carrier	MicroLink 2i/3
Daikin	Decos III (3) c/d/e/f/g/h/j
	Decos V(5)a
Star Cool	RCCU5
	SCC6
Thermo King	MP-3000
	MP-4000

### Environmental specifications:

Temperature	-30 < + 70 ° C
Relative humidity	Max 95 %, condensing
Protection rating	IP66
Vibration	5-500Hz, 2g. Ref.: IEC 60068-2-6, Test Fc
Shock	20 g operating, 50 non-operating. Ref.: IEC 60068-2-27, Test Ea
Drop test	3 meters, 20 cycles. Ref.: IEC 60068-2-31:2008, Test Ec

### Certifications:

CE	EMC directive 2014/30/EC
	Low voltage directive 2014/35/EC
	RED directive 2014/53/EC
	RoHS directive 2011/65/EC
	WEE directive 2002/96/EC
FCC	CFR title 47 FCC part 15.247

### Mechanical:

Enclosure material	Lexan 923A
Weight	66 grams
Dimensions	Length: 85mm / width: 42mm / height: 38mm

To learn more, visit [copeland.com](http://copeland.com)

2016ECT-4 ©2024 Copeland LP.

**COPELAND**  
Engineered for Sustainability