

ION provides a suite of ruggedized radio solutions housed in an extreme weather-proof casing. Clients have the flexibility to choose from an array of models that best fit their communication needs.



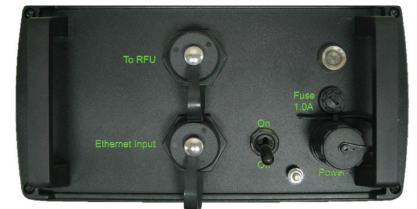
ION provides a set of standard tools with the RFU which both simplifies installation and reduces costs - no specialist tools are required.

- A pre-fabricated 3m LMR400 jumper cable is supplied with each unit to allow flexibility in installation while keeping radio frequency loss to a minimum.
- 2 and 4 inch U bolts allow the unit to be mounted on a majority of a vessels handrails or mounting-pole fixtures.
- Each RFU is supplied with a 70m exterior grade cat5e cable with the waterproof end pre-terminated and capped for protection. The free end of this cable is terminated with a supplied STP RJ45 plug using regular network termination tools once the RFU has been installed on the vessel.

The RFU Power Supply Unit (PSU) is identical to all RFU models and requires no modification to work with any RFU.

KEY FEATURES AND BENEFITS

- Ruggedized to IP 65 levels of environmental protection
- Dramatically reduces radio frequency system losses
- Interchangeable chassis for simple re-configuration of units
- Reduces the requirement for specialist installation tools



RFU Model	Internal Radio Type	Amplifier	Antenna
RFU-24027	Afar AR24027 radio 2.4GHz	RFLinx 2400	OD12-2400
RFU-24	DCB MP-24 radio 2.4GHz	RFLinx 2400	OD12-2400
RFU-HT+	Freewave HT+ radio 900MHz	None	Scala OGB6-915
RFU-FGR+	Freewave FGR+ radio 900MHz	None	Scala OGB6-915



Dimensions & Power

Dimensions	480mm x 550mm x 90mm (2U High)
Weight	12 Kg
Power Supply	Universal Input 110-240V 50/60Hz
Power Dissipation	Maximum 175W (< 0.5A @ 220V AC, <1.0A@ 110V AC)

Environmental

Operating Temperature	0°C to + 45 °C, Forced Air Cooling
Storage Temperature	-40 °C to +80 °C
Operating Humidity (NC)*	5% to 85%
Storage Humidity (NC)*	5% to 95%
*Non-condensing	

EMC Compliance and Electrical Safety

Electromagnetic Compatibility, Generic Emission Standard Part 6-4	EN61000-6-4:2007 +A1:2011
Electromagnetic Compatibility, Generic Immunity Standard Part 6-2	EN61000-6-2:2005
Electrical Safety Assessment, Low Voltage directive Testing LVDT	EN60950-1:2006 +A2:2013

ION has been delivering solutions to the oil and gas industry for over 40 years, and is the leading provider of real-time, multi-vessel positioning and control systems. For further information contact cs1-sales@iongeo.com.

About ION

ION is a leading provider of technology-driven solutions to the global oil and gas industry. ION's offerings are designed to help companies reduce risk and optimize assets throughout the E&P lifecycle.