

SPEC SHEET

Multi-Function Node

International Leader of Flexible, Adaptable Mooring Systems and Components

Delivering REAL-TIME monitoring from the Seafloor-to-Surface

EOM Offshore: INNOVATIVE, FLEXIBLE, AND RELIABLE

EOM Offshore

The EOM Offshore team has decades of combined experience in mooring design, on-board operations and logistics, and oceanographic solutions spanning the global ocean. Our experience in solving complex oceanographic challenges enables EOM Offshore to operate in all ocean environments and depths. From coastal shelf to full ocean, at all latitudes from equatorial to arctic, EOM Offshore provides solutions using our advanced marine technology.

With innovative, unique mooring projects and services divided into five core segments: metocean data collection including floating LiDAR, passive acoustic monitoring, mooring design and modeling, marine logistics and support, buoy and mooring system manufacture. EOM Offshore can support multiple market segments and objectives.



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Contact info



HEAD OFFICE - 20 Jonathan Bourne
Drive - Pocasset, MA 02559 - USA.



info@eomoffshore.com



+1 (508)-563-2100

EOM Offshore's products have been designed to handle the energetic environment of the ocean, while continuously delivering real-time data from the seafloor-to-surface.

Multi-Function Node

EOM Offshore's Multi-Function Node (MFN) is a unique product because of its many, functional design features. An integrated anchor inside the positively buoyant MFN allows the MFN to sit on the seafloor. The MFN has customizable configurations for multiple seafloor instruments, along with having both an integrated acoustic release, allowing the retrieval of the anchor, and a customer-selectable universal joint. The MFN functions well as a power and communications node that can integrate with existing seafloor power grids and communication networks. When coupled with the EOM Offshore stretch hose, the MFN provides a quiet and stable platform for instrumentation that is easily recoverable. This configuration ensures the delivery of power and real-time data directly to the shore via a bottom cable or via a surface buoy.

EOM Offshore's MFN easily integrates with other mooring subcomponents, allowing our products to be used in diverse locations at any depth. EOM Offshore's products may be used to support commercial, research, and defense applications requiring fixed measurements and real-time data. The technology supports other platforms such as gliders, ROVs, and AUVs, increasing the temporal and spatial data and sampling areas.



Technical Specs

Depth	Up to 600 meters
Main frame material	6061-T6 Aluminum
Dimensions (inches)	70L x 70W x 51H
Weight (w/o anchor recovery system)	600lbs / 275kg Dry; -825lbs / -375kg Wet (positive buoyancy)
Anchor Recovery System	Integrated; user selectable anchor and acoustic release
Instrumentation	Customizable
Buoyancy	Positive (floats in water)

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