

FEATURES

- 2.5" SATA III - Solid State Drives
- High Capacity – Up to 2.5 Terabytes
- Supports RAID Array (2 TB in RAID)
- Fast Data Transfer Rates
- Very Low Power – 10W Typical
- Gigabit Ethernet Interface
- Supports Multiple File Systems
- Wet Mate Connector
- Depth Rated to 1000m
- Hot-plug / Hot-swap Capability
- Lightweight & Compact
- Versatile Mounting Configurations
- Designed for Rugged Environments

APPLICATIONS

- Autonomous Underwater Vehicles
- Unmanned Surface Vehicles
- Persistent Subsea Monitoring
- Surface Buoy Data Collection
- Environmental Monitoring
- Port & Harbour Security



DataPod has been designed to meet today's data storage requirements for rugged marine applications. It combines the ease of use of a Network Attached Storage system with the reliability of a RAID array and solid state storage all in one compact unit.

Each DataPod module utilizes the latest solid-state disk drive technology to provide a high-density, reliable, removable data storage solution. The unit enables high bandwidth recording with up to 2.5 Terabytes (2 TB in RAID configuration) in a 1000m depth rated pressure module. Each DataPod weighs less than 3 kilograms and is built to withstand extremes in temperature, shock, vibration and water integrity.

No tools are required to remove the module making it ideal for applications where removal and replacement of onboard storage must be quickly accomplished. DataPod modules can be easily transported and used interchangeably. A wet-mateable connector enables operators to “hotplug” and “hotswap” the module without powering down the host system to change modules.

DataPod uses a standard Gigabit Ethernet interface to plug directly into a personal computer or a local/wide area networks.



Kraken Sonar Systems Inc.
50 Harbour Drive
St. John's, Newfoundland
A1C 6J4 Canada

T: 709.757.5757
info@krakensonar.com
www.krakensonar.com

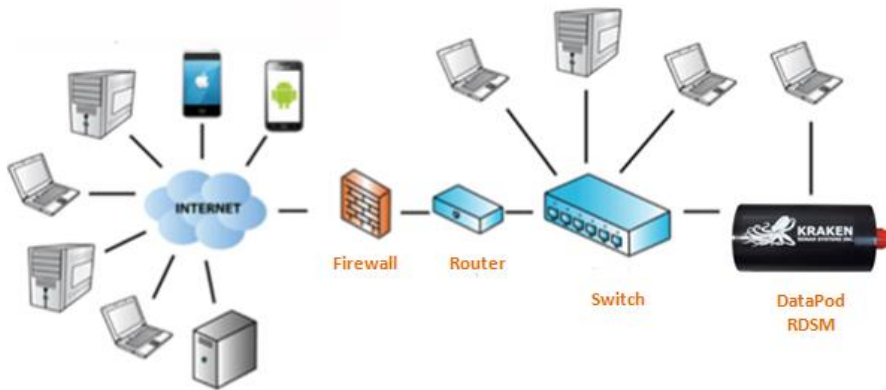
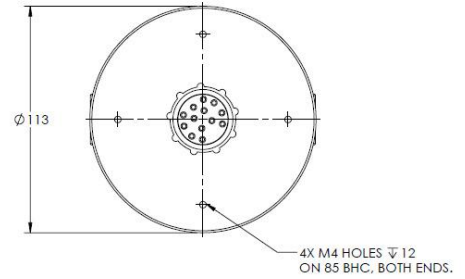
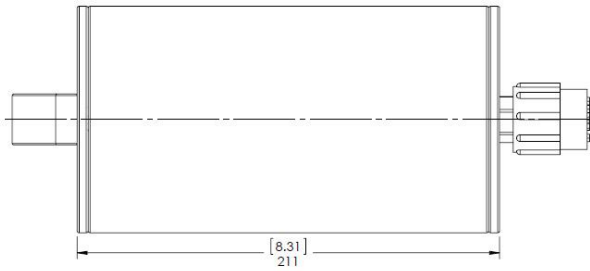
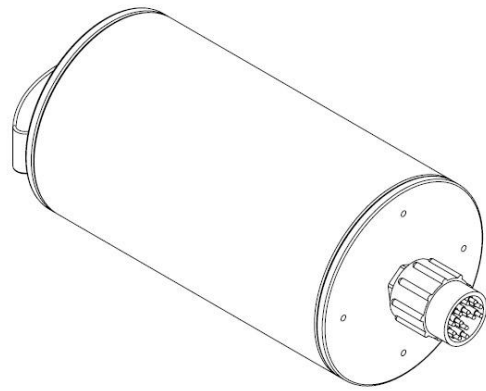
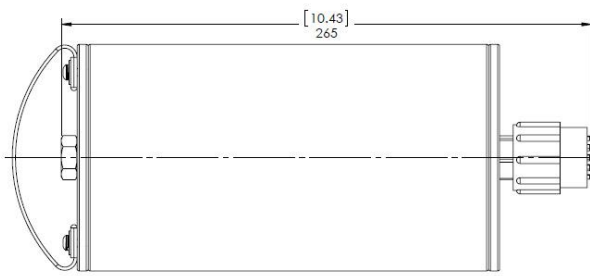


Illustration of a DataPod connected directly to notebook, a LAN and a WAN

DATAPOD SPECIFICATIONS	
Configuration	5 x 512 GB Array - 2.5" SATA III
Storage Capacity	2.5 TB (2 TB in RAID configuration)
Drive Configuration	Solid State MLC NAND Flash Memory
Max. Data Transfer Rate	80/50 MB/second Read/Write
Supported Network Speed	10/100/1000 (Mbits/sec)
Supported File Systems	XFS, EXT2, EXT3, EXT4, NTFS, FAT16, FAT32
Software Compatibility	<ul style="list-style-type: none"> • Windows 7 (32-bit and 64-bit) • Vista (SP1 and above) • XP (SP2 and above) • Windows Server 2008 (32 and 64-bit) • Windows Server 2003 (32 and 64-bit) • Windows 8 (32 and 64-bit) • Mac OSX • Linux

DATAPOD SPECIFICATIONS	
Dimensions	211mm length x 113mm diameter
Pod Mass	2.75 kg in air, 0.5k g equiv in water
Depth Rating	1000 metres
Operating Temperature	-5°C - 60°C (23°F - 140°F)
Vibration	Operating: 2.17 Grms (7-800Hz)
Shock	1500G & 0.5ms (Half sine)
Internal Fans	No fans – conduction cooled
Pod Connector	Subconn DBH13M Power Ethernet
Connection Rating	500 insertion/removals
Data connection	Gigabit Ethernet
Pod material	6061-T6 Aluminum, Hard Anodized
Power supply	18 - 48VDC, 10W peak power