







Smart Node

Quick Start Guide

The Smart Node is a deployment product used with the icListen. The Smart Node is a flexible Ethernet switch that offers the option for a variety of cable lengths between nodes and hydrophones while allowing for synchronization between units.

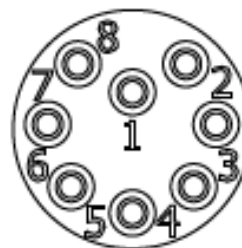
Models

	CS2-ETH		CS2-R
	CS9-ETH		CS9-R
	CS35-ETH		CS35-R

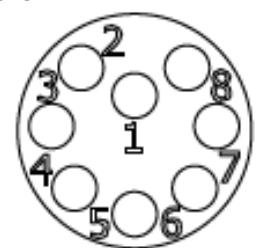
	CS2-R/ETH	CS9-R/ETH	CS35-R/ETH
Communication	100BASE-TX	100BASE-TX	100BASE-TX
Power Consumption	0.8 W / 1.1 W	0.8 W / 1.1 W	0.8 W / 1.1 W
Operating Voltage	18-36V	18-36V	18-36V
Depth Rating	200 m	900 m	3500 m
Weight In Air	180 g	303 g	801 g
Weight In Water	33 g	93 g	581 g
Connectors	MCOM-8F*	MCBH-8F/MCBH-8M*	MCBH-8F/MCBH-8M*
Locking Sleeves	DSLA-F	-	-

Pin	Signal
1	DC RETURN
2	GND
3	TX-
4	TX+
5	RX-
6	RX+
7	DC POWER
8	SYNC

Pinout



**Male Pins
Face View**



**Female Sockets
Face View**



Specifications

Acetal Can	CS2-ETH-04	CS2-ETH-05	CS2-ETH-06	CS2-ETH-07
Communication	100BASE-TX			
Power Consumption	2.2 W	3.3 W	4.4 W	5.5 W
Depth Rating	200 m			
Weight In Air	946 g	1004 g	1062 g	1120 g
Weight In Water	-161 g	-103 g	-45 g	13 g
Male Connectors*	1 x MCBH8M			
Female Connectors*	3 x MCBH8F	4 x MCBH8F	5 x MCBH8F	6 x MCBH8F

*MacArtney Micro Circular Series

Titanium Can	CS35-ETH-04	CS35-ETH-05	CS35-ETH-06	CS35-ETH-07
Communication	100BASE-TX			
Power Consumption	2.2 W	3.3 W	4.4 W	5.5 W
Depth Rating	3500 m			
Weight In Air	2292 g	2345 g	2398 g	2429 g
Weight In Water	1184 g	1237 g	1290 g	1322 g
Male Connectors*	1 x MCBH8M			
Female Connectors*	3 x MCBH8F	4 x MCBH8F	5 x MCBH8F	6 x MCBH8F

*MacArtney Micro Circular Series