

# 701-DL

## DIGITAL LINK INTERFACE

*Interface between  
EdgeTech's digital  
towfish and the  
display &  
acquisition  
software*



The *EdgeTech 701-DL* interface unit is used to provide the topside interface between EdgeTech's 4200-FS and other digital sonars in this family and the display and acquisition software used to control the sonars (EdgeTech Discover Software and 3<sup>rd</sup> party software).

The 701-DL unit interfaces to the control computers using a 10/100BaseT Ethernet cable, and provides the power and high bit rate telemetry signals to the towfish. The system is designed to run off universal 100/250V AC power.

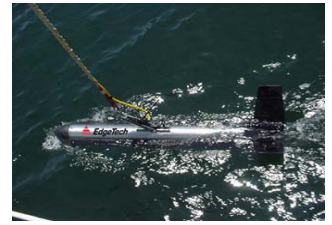
The topside computers communicate directly with the towfish computer over the 701-DL telemetry, in a client (topside) / server (towfish) architecture. The towfish computers all run an embedded version of Windows XP operating system. Topside computers running Windows 2000 or XP operating systems thus provide for direct management of the towfish system files for easy update system maintenance.

When used in conjunction with EdgeTech's Discover software on the topside computer, the telemetry system provides for sonar control and the uplink of high-resolution sonar data streams, as well as ancillary status information, and several transparent RS232 channels for support of devices such as magnetometers, and other oceanographic sensors.

### Features:

- Provides interface between EdgeTech digital towfish and display & acquisition software
- Compatible with 3<sup>rd</sup> party software
- Supplied with or without EdgeTech Discover S/W

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## Key Specifications

### 701-DL Interface

Power	100-125/220-240VAC, 50/60Hz, 200 Watts max (auto switching)
Size	19" Rack mountable, 17" deep x 3.25" (1U) high
Weight	
Topside Interfaces	10/100BaseT Ethernet for data output and control, TTL Level Sync signal for external triggering or Responder operation
Towfish Interface	EdgeTech proprietary D-Link fish power and telemetry signals over 2 wire towcable
Telemetry Rates	Uplink : up to 8Mbit/s (4 Mbit/s minimum), Downlink: 480Kbits/s
Cable Length	6000m typical



Rear panel of 701-DL

## Other EdgeTech Products

✓ Side Scan, Sub-bottom, Integrated and Modular Imaging Systems for Deep Towed, AUV, ROV and Other Applications utilizing Full Spectrum, MultiPing or Synthetic Aperture Acquisition and Processing Techniques.



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