



The use of the special adapter eliminates the receive ability of the 2nd ethernet port on CPU1. Therefore, no communications from CPU 2 is capable of being transmitted to CPU1; only communications from CPU1 to CPU2 can occur.

ESI 1WayDBlast

Data communications between safety related or plant control systems and plant data acquisition systems can comply with NEI 08-09 by providing a one-way communications interface such that the plant data acquisition computer systems cannot communicate with the safety related systems or control systems.

ESI's 1WayDBlast provides a communications interface device, also known as a data diode, which can be inserted in the communication paths between plant data acquisition systems and safety related control systems to perform a one-way data communications protocol. Compliance with 10 CFR 73.54 requirements (as described in Regulatory Guide 5.71 and NEI 08-09) can be met without rewriting communications protocols used in the control systems.

Features

- > Product dimensions can be customized to customer preferences
- > Manufactured with commercially available, off-the-shelf components so special proprietary hardware is not required
- > Developed under ESI's 10 CFR Appendix B QA Program to ensure acceptability in the nuclear industry
- > Complete Nuclear Software Documentation provided by ESI's QA Program
- > Source Code is available for purchase
- > Seismic 2-over-1 Qualifications available
- > Class 1E Isolators offered as options

The Clear Choice

ESI's 1WayDBlast compared to similar products offered by OWL and Waterfall

Feature	ESI	OWL	Waterfall
Commercially available, off-the-shelf hardware	✓	✗	✗
Developed under 10 CFR Appendix B QA Program	✓	✗	✗
Complete Nuclear Software Documentation provided	✓	✗	✗
Seismic 2-over-1 Qualification available	✓	✗	✗
Class 1E Isolators offered as options	✓	✗	✗
Source Code available for purchase	✓	✗	✗

ESI Engineered Solutions, Inc.
Integrated Solutions for Engineering Challenges

300 Research Boulevard
 Madison, AL 35758
 Phone: (256) 327-7208 Fax: (256) 327-7211
 datablaster@esinuclear.com
 www.esinuclear.com