



INTERBUS Router

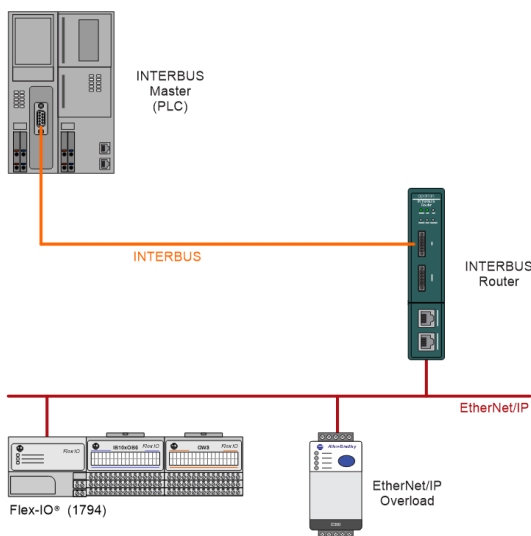
Quick Start Guide

A-IBR

NOTE: Before installing, configuring, operating, or maintaining Aparian products, please review this information and the information located on www.aparian.com for the latest software, documentation, and installation files specific to your Aparian product.

INTRODUCTION

This quick start describes the installation, operation, and diagnostics of the Aparian INTERBUS Router module. The INTERBUS Router, provides intelligent data routing between either EtherNet/IP or Modbus TCP and an INTERBUS master.



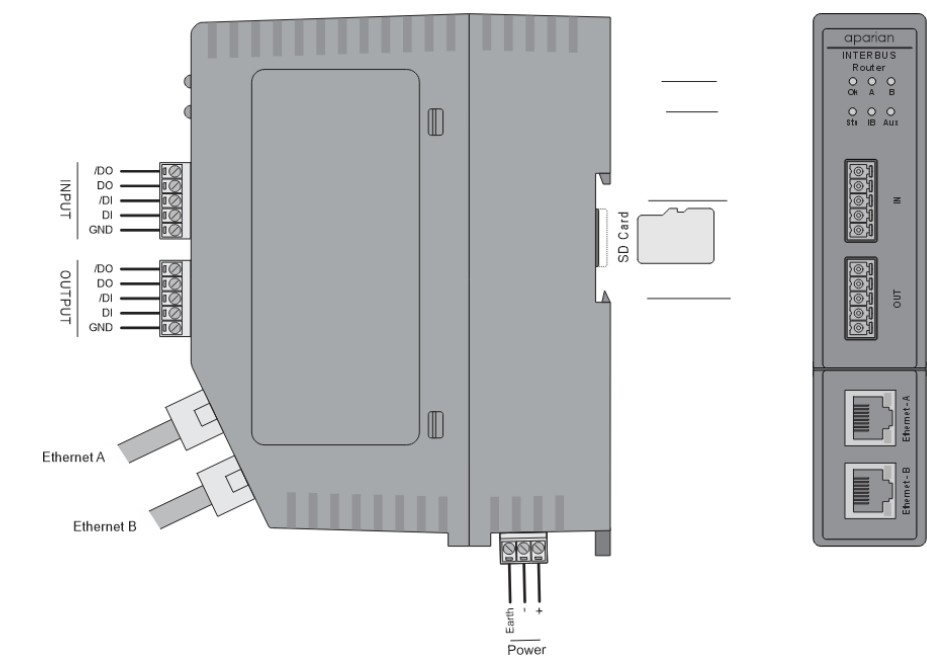
REQUIRED SOFTWARE

The INTERBUS Router requires Aparian Slate software to setup and configure. The software installation can be found at www.aparian.com/software/slate.

MODULE INSTALLATION

The module has two INTERBUS ports (IN and OUT) on the front of the enclosure, two Ethernet ports on the angled front, and one power port at the bottom, as shown in the figure below.

The power port uses a three-way connector which is used for the DC power supply positive and negative (ground) voltage as well as the earth connection.



LED	Description
Ok	The module LED will provide information regarding the system-level operation of the module. If the LED is red, then the module is not operating correctly. For example, if the module application firmware has been corrupted or there is a hardware fault the module will have a red Module LED. If the LED is briefly flashing red, and then returning to either flashing green or solid green, then there is a duplicate IP address on the Ethernet network similar to that of the local module. If the LED is green (flashing), then the module has booted and is running correctly without any application configuration loaded. If the LED is green (solid), then the module has booted and is running correctly with application configuration loaded.
A / B	The Ethernet LED will light up when an Ethernet link has been detected (by plugging in a connected Ethernet cable). The LED will flash every time traffic is detected. This module has two Ethernet ports A and B. Each LEDs represents each specific port.

Sts	The Status LED indicates if the module is currently in an active state where the primary interface is operational and the INTERBUS communication is active. Solid Green – Both the INTERBUS communication and the Primary Interface communication is active and running. Flashing Green – Either the INTERBUS communication or the Primary Interface communication is active and running (not both). Off - Both the INTERBUS communication and the Primary Interface communication is not running.
IB	The INTERBUS LED indicates the activity on the INTERBUS network. Flashing Red – A corrupted or incorrect INTERBUS packet was received. Flashing Green – A valid INTERBUS packet was received. Off – No INTERBUS packets are being received or sent.
Aux	The Aux LED will flash each time there is activity on any of the primary interfaces. Flashing Red – A corrupted or incorrect packet was received on one of the Primary Interfaces (EtherNet/IP, Modbus TCP). Flashing Green – A valid packet was received on one of the Primary Interfaces (EtherNet/IP, Modbus TCP). Off – No activity.

ELECTRICAL AND ENVIRONMENTAL

Specification	Rating
Power requirements	Input: 10 – 32V DC, (120 mA @ 24 VDC) Class 2
Power consumption	3.0 W 260 mA max.
Temperature	-20 – 70 °C

STUDIO 5000 CONFIGURATION

The module must be added to the Logix IO tree using an EDS AOP (Logix v21+).

NORTH AMERICAN HAZARDOUS LOCATION APPROVAL

The following information applies when operating the product in hazardous locations:

SUITABLE FOR USE IN CLASS I, DIVISION 2, GROUPS A, B, C AND D HAZARDOUS LOCATIONS, OR NONHAZARDOUS LOCATIONS ONLY.

-20°C to +70°C, T4A
Class 1, Div 2 Gps A, B, C, D

THIS EQUIPMENT IS OPEN-TYPE DEVICE AND IS MEANT TO BE INSTALLED IN AN ENCLOSURE SUITABLE FOR THE ENVIRONMENT SUCH THAT THE EQUIPMENT IS ONLY ACCESSIBLE WITH THE USE OF A TOOL.

WARNING - EXPLOSION HAZARD - DO NOT DISCONNECT EQUIPMENT WHILE THE CIRCUIT IS LIVE OR UNLESS THE AREA IS KNOWN TO BE FREE OF IGNITABLE CONCENTRATIONS.

WARNING - EXPLOSION HAZARD - SUBSTITUTION OF ANY COMPONENT MAY IMPAIR SUITABILITY FOR CLASS I, DIVISION 2.



For professional users in the European Union

If you wish to discard electrical and electronic equipment (EEE), please contact your dealer or supplier for further information.



WARNING – Cancer and reproductive harm – www.p65warnings.ca.gov

ADDITIONAL INFORMATION

The following resources contain additional information that can assist the user with the module installation and operation.

Resource	Link
Slate Installation	www.aparian.com/software/slate
INTERBUS Router User Manual	www.aparian.com/products/INTERBUSRouter
INTERBUS Router Datasheet	
Example Code & UDTs	www.cisco.com/c/en/us/td/docs/video/cds/cde/cde_205_220_420/installation/guide/cde205_220_420_hig/Connectors.html
Ethernet wiring standard	

SUPPORT

Technical support will be provided via the Web (in the form of user manuals, FAQ, datasheets etc.) to assist with installation, operation, and diagnostics.

For additional support the user can use either of the following:

Contact Us web link	https://www.prosoft-technology.com/Services-Support/Customer-Support
Support email	support@prosoft-technology.com