Barber Colman™ GCM™ Driver

Product Overview

The Barber Colman™ GCM™ driver, from CSI³, is the first available driver on the market for Niagara ^{AX} that allows users to integrate legacy Network 8000™ systems.

Features such as ease of use, through built-in discovery, and web enablement of legacy systems makes this driver a perfect fit to bring your system into the 21st Century.

Built on the Niagara ^{AX} Framework™

Niagara ^{AX} is a software framework and development environment that solves the challenges associated with building Internet-enabled products, device-to-enterprise applications and distributed Internet-enabled automation systems. The Niagara product line, originally introduced in 1999, is deployed in over 60,000 products operating in over 6,000+ sites worldwide. Niagara^{AX} takes the concept of normalizing the data and behavior of diverse devices, regardless of manufacturer or communication protocol, to enable the implementation of seamless, Internet-connected, web-based systems to the next level.

Opening up Protocols

Protocols such as BACnet®, Lonworks® and Modbus® allow customers to have a level of flexibility to choosing controllers from different manufacturers. But to be truly open and you need to be able to select among devices supporting <u>any</u> protocol. Using the capabilities of Niagara^{AX}, along with CSI³'s toolsets and drivers, give you the ability to truly select best of breed solutions for your needs. Many times a customer needs to integrate a legacy control system into the Niagara^{AX} framework. These legacy systems often do not support the newer protocols such as BACnet and LonWorks. This requires developers to write a driver to communicate with each system.

Using this driver, versus replacing all legacy systems and then installing a new set of hardware and software is a huge money saver

Ease of Use - Built-in Network Discovery

As with all state-of-the-art driver development on the Niagara^{AX} Framework™ goes, CSI³'s drivers have ease of use features such as built-in Network Discovery, along with device and object discovery once connected. This ease of use feature saves a tremendous amount of engineering hours on jobs where time is of the essence.
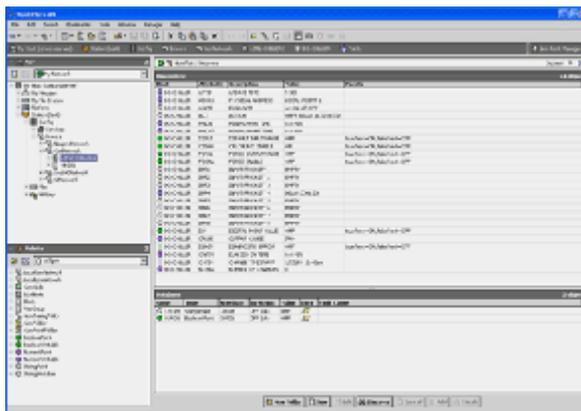
In the workbench view of Niagara ^{AX} - automatic Network Discovery of objects using the CSI³ Barber Colman™ GCM™ driver

Barber Colman™ GCM™ Driver			
Supported Devices	GCM™-84xxx-x-x-x	Open Serial Port Required	
	GCM™-86xxx-x-x-x		
Supported GCM™ Data Types		**Read**	**Write**
	All types	X	X

Communication speed varies based on several factors, including but not limited to: GCM™ programming, baud rate, point count, trending, alarming, and graphics. In general, typical performance polls *one point every 3 – 5 seconds.*

Sample Network System Architecture

JACE-NXS

RS-232 - 9 Pin F/F Null Modem Cable

ASD Bus™

ASD Bus™

LCM Bus™

LCM Bus™

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