

Invensys™/Barber-Colman™ ASD Protocol on Gen5 OptiFlex™ Integrators

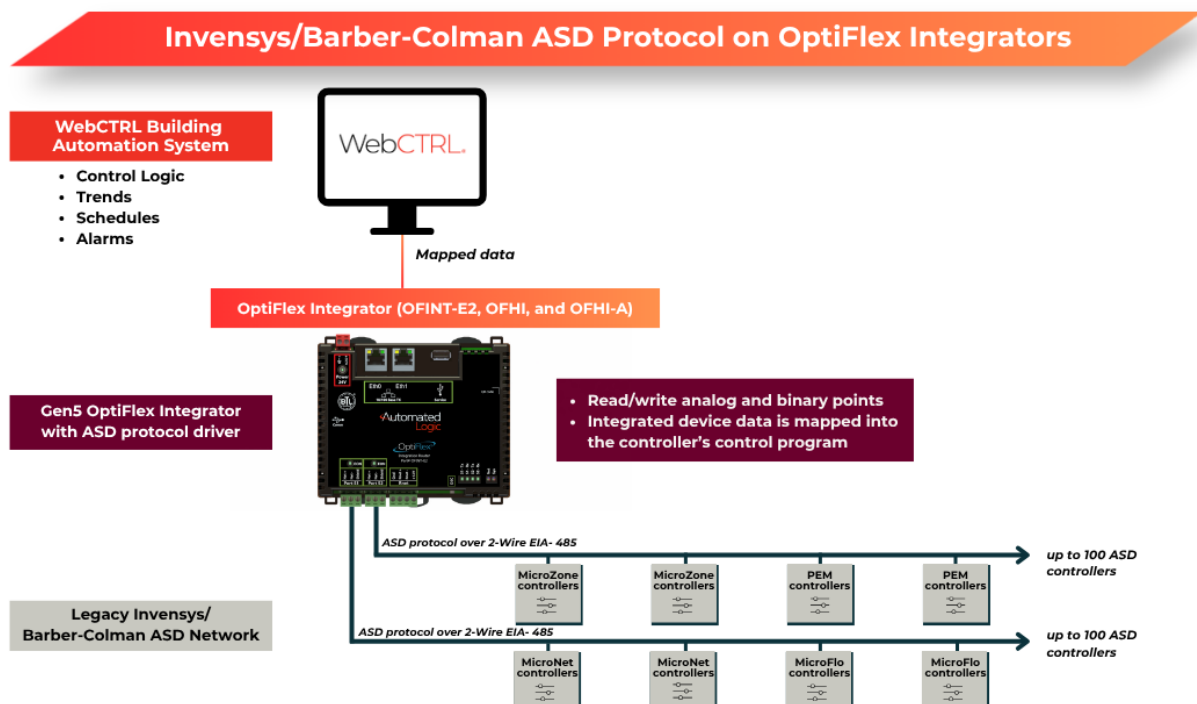
Introduction

The ASD protocol is a legacy communications protocol used by Invensys/Barber-Colman field devices over EIA-485 serial networks. The Invensys/Barber-Colman ASD Protocol Driver for Gen5 OptiFlex Integrators connects these existing devices directly to the WebCTRL® building automation system, bridging Invensys/Barber-Colman equipment natively into the Automated Logic ecosystem and providing facilities staff with unified visibility and control. This solution supports a phased, low-disruption migration to a modern, open-protocol building automation system while preserving the value of existing infrastructure.

How It Works

The OptiFlex™ Integrator connects directly to Invensys/Barber-Colman EIA-485 serial networks, acting as a primary communication bridge to legacy ASD devices. It utilizes the ASD protocol to seamlessly query controllers and read and/or write analog and binary data points.

- **Read/Write Capabilities:** The driver allows the Gen5 OptiFlex Integrator to communicate via EIA-485 serial ports to read and write analog and binary points on legacy ASD devices, including MicroNet, MicroFlo, MicroZone, and PEM controllers.
- **Streamlined Data Mapping:** ASD device data is mapped directly into control programs within the OptiFlex Integrator, enabling native WebCTRL features—including alarms, schedules, and trends—to be applied without the need to use a separate system.



Specifications	
Driver	Gen5 drivers with versions 108-08 and later.
Compatible Part Numbers	Gen5 hardware integrator controllers: OFINT-E2, OFHI, OFHI-A
Network Media	EIA-485 (2-wire serial)
Max Devices	Up to 100 ASD devices per serial port (200 devices maximum split between port S1 and port S2. Both ports can be used simultaneously.)
Serial Baud Rates	19200 or 9600 bps (Default: 19200)
Max Supported Points	Limited by controller capacity and standard FlexPoint licensing
Point Types Supported	Analog (Read/Write), Binary (Read/Write)