



## Features

- Easy migration to an open platform using Authentic Mercury EP Series Controllers
- Faster 10/100 Native IP Controllers
- Field devices remain untouched throughout installation
- Support for VRINX, VIONX-8 and GIONX-24
- Secure communication to DNA Fusion software
- Enhanced user experience with Open Options DNA Fusion Software

# VB Bridge

## Authentic Mercury Retrofit Solution

### Overview

The addition of the Open Options VB Bridge provides a simple path to an open platform, non-proprietary system for all current Vanderbilt SMS hardware users.

The VB Bridge utilizes SSP Series controllers (Authentic Mercury™) for a simple, streamlined installation. Users can maintain existing Vanderbilt VRINX, VIONX-8 and GIONX-24 boards along with existing power and wiring.

The minimal installation process involves removing the Vanderbilt controllers and replacing them with an Open Options SSP series controller (SSP-EP, SSP-D2, SSP-LX, or DController). The remaining Vanderbilt infrastructure is then refitted and power reapplied, leaving all field devices untouched. The SSP controller will talk downstream via RS-485 to the existing SMS modules to ensure secure communication back to the DNA Fusion access control software.

The best solution for migrating existing Vanderbilt SMS proprietary systems to an open platform is simple and effective with the Open Options VB Bridge.

**NOTE: Open Options (Mercury) and Vanderbilt sub-controllers cannot be mixed on the same RS-485 port.**

# VB Bridge

## Functionality

Utilize existing field hardware including reader and I/O interface boards by simply replacing the Vanderbilt SMS controller with any Open Options controller (SSP-EP, SSP-D2, SSP-LX, or DController). See chart below for capacity cross-reference.

Open Options Controller	# of Mercury Sub-Controllers	# of Vanderbilt Sub-Controllers
SSP-EP	Up to 64 (32 per RS-485 port)	Up to 32 (16 per RS-485 port)
SSP-LX	Up to 64 (32 per RS-485 port)	Up to 32 (16 per RS-485 port)
SSP-D2	32	16
DController	8	8

**Number of Sub-Controllers per RS-485 downstream port.**

**IMPORTANT: Open Options (Mercury) and Vanderbilt Sub-Controllers not supported on the same RS-485 port.**

## Application

