

# Profile

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## PRODUCT



### Overview

The 1394 GMC System provides all the functionality of the IMC S Class Compact Motion controller and power conversion within the 1394 system module. The 1394 GMC System is completely programmed and commissioned using GML Commander™ (Graphical Motion Language), offers Allen-Bradley DH485, RS-232, and RS-422 as standard communications and has Remote I/O and Axis Link available as communication options. The GMC offers 32K of program memory with a 16-bit processor.

The 1394C-SJTxx-C system supports four axis modules and provides four channels of auxiliary encoder input. The 1394C-SJTxx-L provides the same functionality as the 1394C-SJTxx-C, but supports only one axis module and provides two channels of auxiliary encoder input.

### Features

The 1394 GMC System provides:

- ◆ Digitally-adjusted velocity and current loop compensation, which accommodates a wide range of system inertias.
- ◆ Smart Power control (available on all 22 kW system modules and 5 and 10 kW Series C or later system modules) allows power-use monitoring for process optimization.
- ◆ Current ratings of 3.0, 4.5, 7.5, 23.5, and 35A continuous, at 50°C (122°F) (inside cabinet) and 23.3 and 35A continuous, at 40°C (104°F) (externally mounted heat sinks) with up to 300% motor ratings for high duty-cycle operation producing continuous torque ranges of 0.7 to 53.0 Nm (6 to 469 lb-in.).
- ◆ Standard widths of 50 mm (1394x-AM02, -04, and -07) and 75 mm (1394x-AM50-xx and -AM75-xx) axis modules are available.
- ◆ Complete programming and commissioning using GML Commander.
- ◆ Standard communications options, including DH485, RS-232, and RS-422.
- ◆ Communications options, including Remote I/O and AxisLink.

### Typical Applications

All new applications requiring up to four high duty cycle axes will benefit from the 1394 GMC System. The 1394 GMC System should also be considered for applications requiring frequent power cycling or power monitoring. Typical applications include:

- ◆ High speed packaging
- ◆ Material handling
- ◆ Press load/unload
- ◆ Converting

## 1394 GMC System



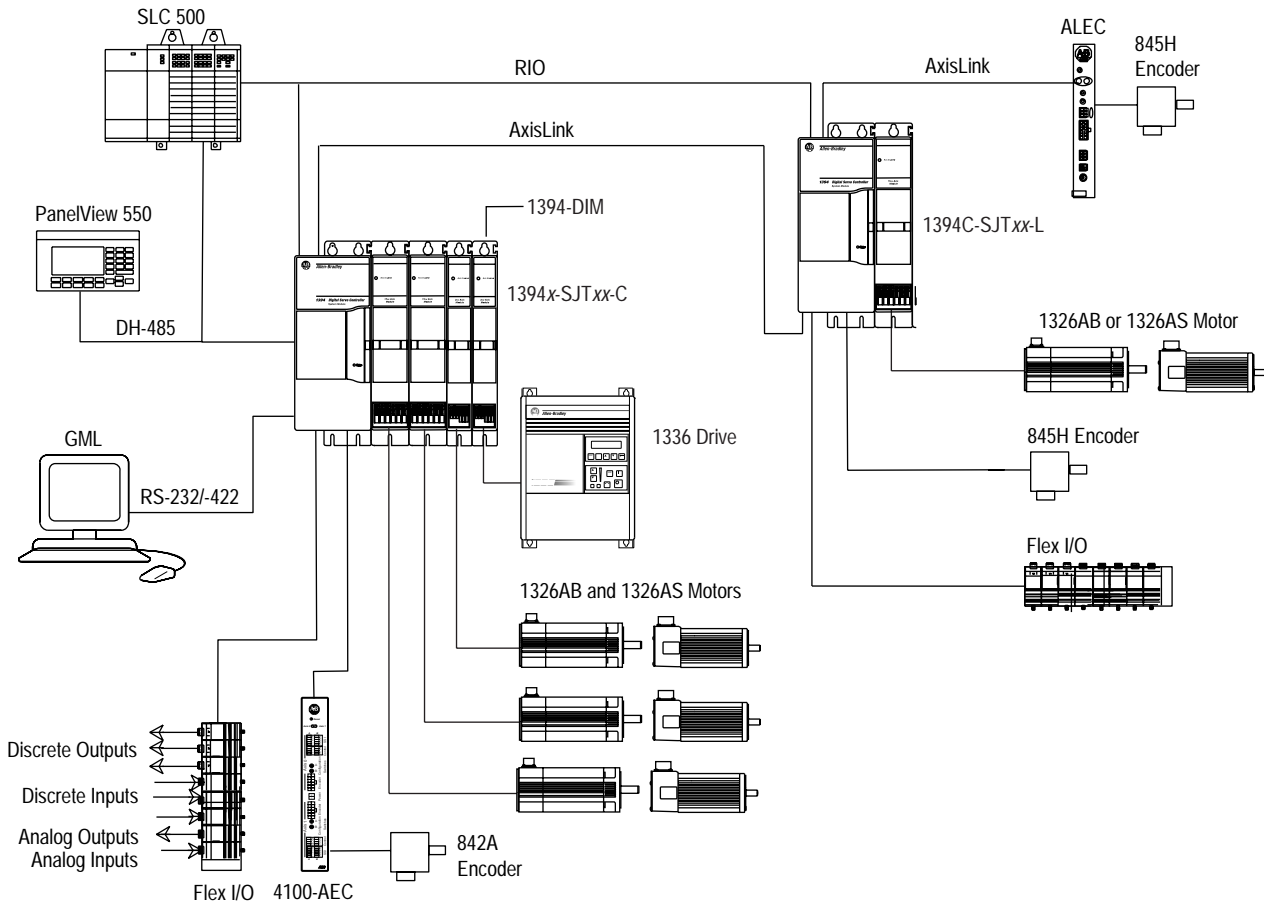
**Allen-Bradley**

Catalog Numbers 1394C-SJT05-C-xx, -SJT10-C-xx, -SJT22-C-xx, and 1394C-AM03, -AM04, -AM07, -AM50, -AM75, -AM50-IH, -AM75-IH



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