

# Profile

---

## PRODUCT



### Overview

The 1394 Analog Servo System provides a digital servo drive system with a traditional +/- 10V DC analog interface. It can be used as a velocity or torque control system and is quickly commissioned with the Allen-Bradley universal Bulletin 1201 HIM™ (Human Interface Module), which provides access to auto tuning and start-up prompting. The 1394 also provides a SCANport interface as a standard feature.

### Features

The 1394 Analog Servo 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) (with heat sinks out the back) 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.

### Typical Applications

All new applications requiring up to four high duty cycle axes will benefit from the 1394 Analog Servo System. The 1394 Analog Servo 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 Analog Servo System

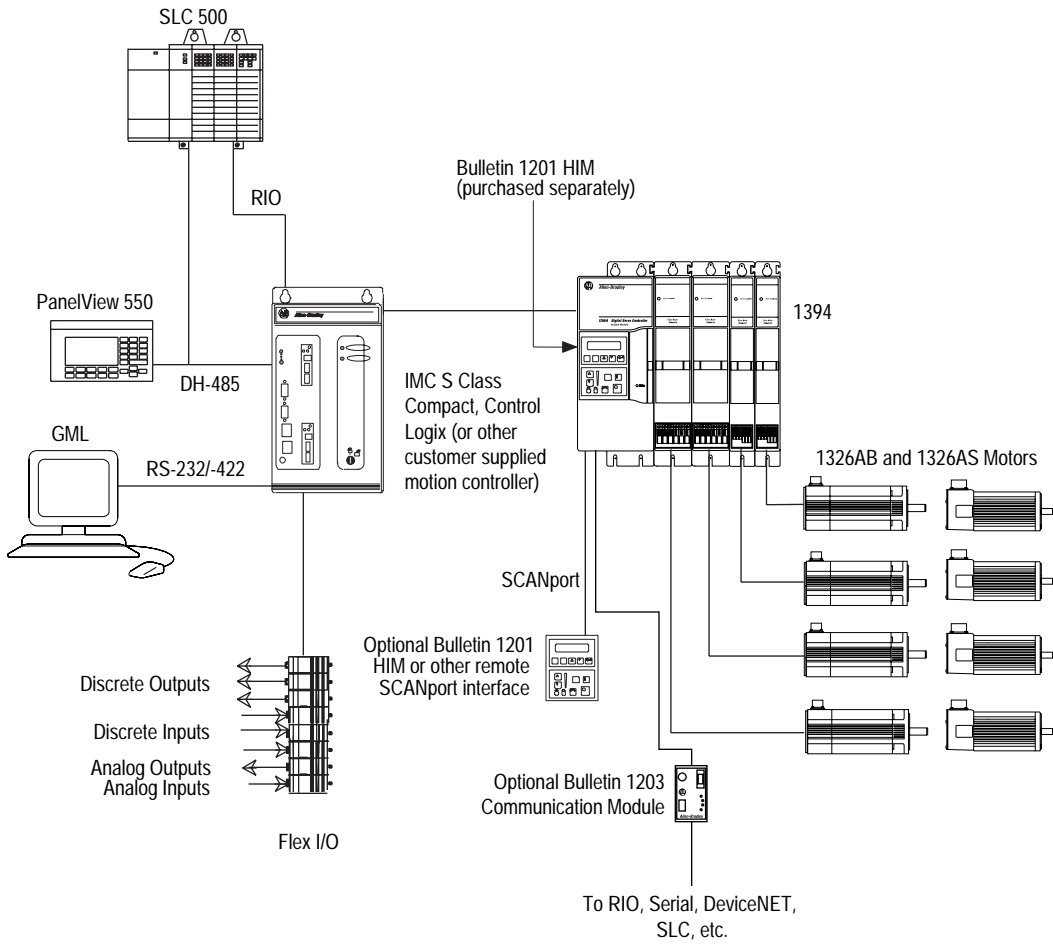


**Allen-Bradley**

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



Bringing Together Leading Brands in Industrial Automation



For more information refer to our web site: [www.ab.com/motion](http://www.ab.com/motion)

**Reach us now at [www.rockwellautomation.com](http://www.rockwellautomation.com)**

Wherever you need us, Rockwell Automation brings together leading brands in industrial automation including Allen-Bradley controls, Reliance Electric power transmission products, Dodge mechanical power transmission components, and Rockwell Software. Rockwell Automation's unique, flexible approach to helping customers achieve a competitive advantage is supported by thousands of authorized partners, distributors and system integrators around the world.

**Americas Headquarters**, 1201 South Second Street, Milwaukee, WI 53204, USA, Tel: (1) 414 382-2000, Fax: (1) 414 382-4444  
**European Headquarters SA/NV**, Avenue Herrmann Jébrou, 46, 160 Brussels, Belgium, Tel: (32) 2 663 06 00, Fax: (32) 2 663 06 10  
**Asia Pacific Headquarters**, 2/F Citicorp Centre, 18 Victoria Road, Causeway Bay, Hong Kong, Tel: (852) 2887 1788, Fax: (852) 2508 1846

