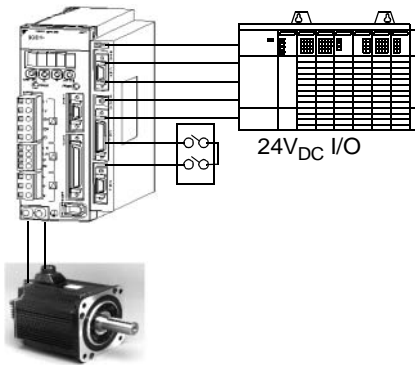


## Control System Architecture

The Sigma II Indexer is a compact, cost-effective solution for the needs of both the machine OEM and the end user. All servo loops and positioning functions are included in a self-contained servo amplifier/indexer package. This eliminates the requirement for both a higher cost host controller axis module and the traditional analog elements of a servo amplifier command reference. Machine controller to servo axis interfacing simplifies to either lower cost digital I/O modules or serial communications wiring.

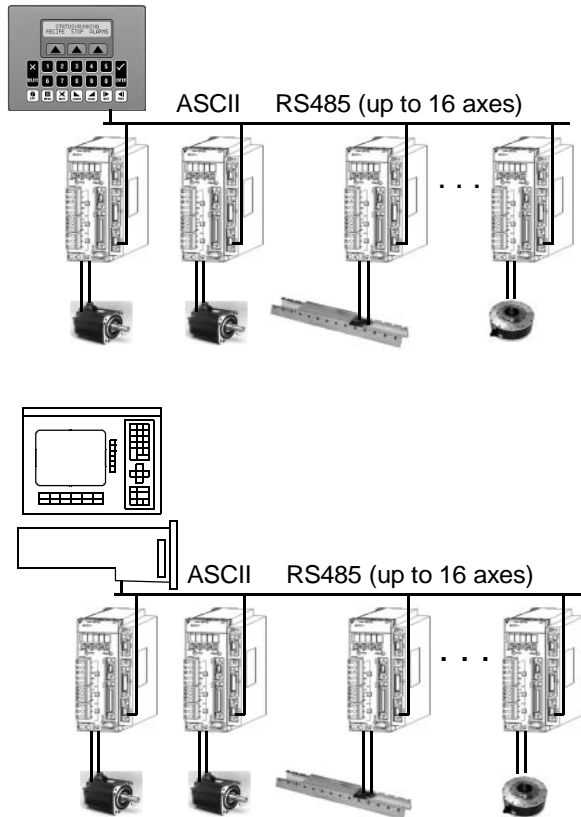
JUSP-NS600  
Indexer

### Peripheral to a PLC



An Indexer's I/O is used by a machine controller for addressing and initiating one or more set(s) of pre-programmed positioning moves or velocity commands. For sequencing the servo axis from a machine controller, use such I/O signals as: start-stop, feed hold, homing, in-position signals, conditional input events, programmable indexer outputs, etc.

### Peripheral to an HMI or Personal Computer



All indexer setup parameters, system alarms and monitors, and program configurations are read/write accessible through the serial network. The indexer can easily be set for various network transmission speeds (i.e., 9.6kbaud, 19.2kbaud, or 38.4kbaud).

Examples:

- Initiate point-to-point positioning with a global start command
- Individually communicate positions, speeds, and start commands to each indexer
- Easily change batch counts and machine setups