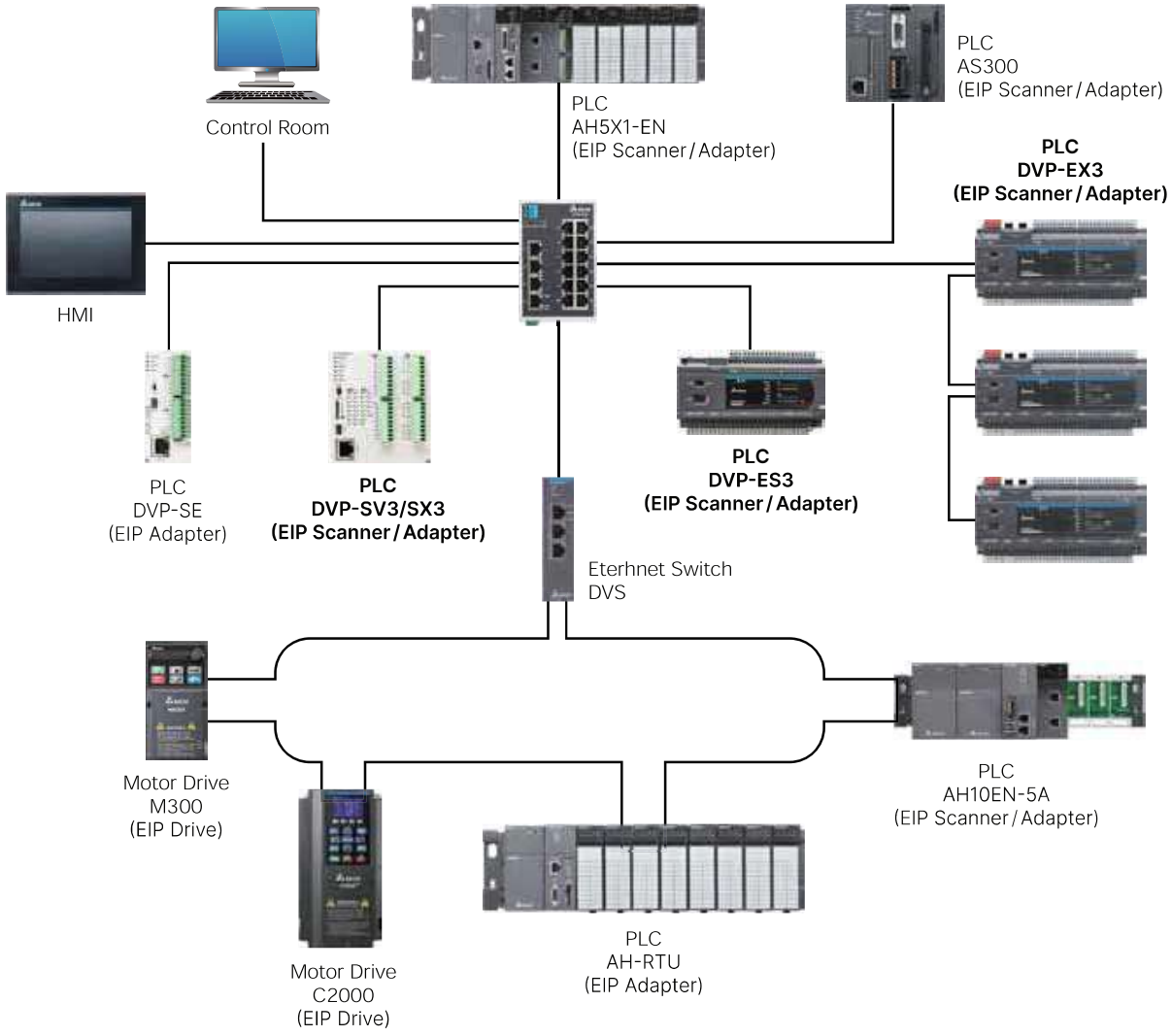
The 3rd Generation Standard / AIO Slim PLC

DVP-SV3 / SX3 New

Recommended for Compact Machine Upgrading

- Max. basic instruction execution speed: 0.025 μs (adopts AS Series PLC)
- Program capacity: 64k steps
- SV3: up to 256 inputs and 252 outputs ; SX3: up to 248 inputs and 246 outputs (both sides allow up to 8 extension modules)
- Built-in 2 × RS-485, AIO (SX3 only), micro SD card
- Supports EtherNet / IP Scanner / Adapter, Modbus TCP, CANopen DS301

System Structure



Applications

Positioning control, Material cutting machines (high-speed servo control), Crane main hoists, Material clips (controlled by servos), Optoelectronics equipment, Semiconductors, Textiles, and HVAC

High Performance Slim PLC
DVP-SV2

Top Choice for Slim Type PLC

High-end model of DVP-S Series with larger program capacities and data registers for more demanding and complex applications

Excellent Motion Control

- High-speed pulse output: 4 axes of 200 kHz pulse output
- Supports max. 4 high-speed counters (200 kHz)
- Various motion control instructions to achieve high-speed and high-precision positioning control for labeling machines, packaging machines, printing machines, and more
- Linear / arc interpolation motion control
- Provides up to 16 external interrupt pointers

Full Program Protection

- Auto backup to prevent program and data loss even when the battery runs out
- Secondary backup function saves an extra copy of programs and data to enhance program safety
- Up to 4-level password protection ensures program security and intellectual property

Scalability

- Supports DVP-S Series left-side and right-side modules
- Ethernet communication instructions (ETHRW) available

High-Speed Modules (Left-Side)

Network Modules

- **DeviceNet Master**
  DVPDNET-SL

- **CANopen Master**
  DVPCOPM-SL

- **RS-485 Serial Communication Module**
  DVPSCM12-SL

- **BACnet MS / TP Slave Serial Communication Module**
  DVPSCM52-SL

- **Ethernet**
  DVPEN01-SL

Left-Side Positioning Module

- **2-Axis Positioning**
  DVPDNET-SL

Analog Input / Output Modules

- **Analog Input**
  DVP04AD-SL
- **Analog Output**
  DVP04DA-SL

Load Cell Modules

DVP201LC-SL
DVP211LC-SL
DVP202LC-SL

Applications

2-Axis servo positioning control, Material cutting machine (high-speed servo control), Crane main hoist, Material clips (controlled by servo), Optoelectronics equipment, Semiconductor, Textiles, Energy saving and Building automation

Standard Slim PLC

DVP-SS2

Economic and Compact Type

- Max. I/O: 480 points
- Program capacity: 8k steps
- Data register: 5k words
- Max. basic instruction execution speed: 0.35 μs
- Built-in RS-232 and RS-485 ports (Master/Slave)
- Supports standard Modbus ASCII/RTU protocol and PLC Link function
- Motion control functions:
  - 4 points of 10 kHz pulse output
  - 8 points of high-speed counters: 20 kHz / 4 points, 10 kHz / 4 points

Advanced Slim PLC

DVP-SA2

Advanced Type for High-Speed Modules (Left-Side)

- Program capacity: 16k steps
- Data register: 10k words
- Max. basic instruction execution speed: 0.35 μs
- Built-in 1 RS-232 and 2 RS-485 ports (Master / Slave)
- Supports standard Modbus ASCII / RTU protocol and PLC Link
- No battery required; RTC operates for 15 days after power off
- Supports DVP-S Series left-side and right-side modules
- Motion control functions:
  - 4 points of high-speed pulse output: 100 kHz / 2 points, 10 kHz / 2 points
  - 8 points of high-speed pulse input: 100 kHz / 2 points, 10 kHz / 6 points, 1 set of A / B phase 50 kHz
  - Supports 2-axis linear and arc interpolation

Analog I/O Slim PLC

DVP-SX2

Analog Type with Highly Efficient PID Control

- Program capacity: 16k steps
- Data register: 10k words
- Max. basic instruction execution speed: 0.35 μs
- Built-in 4 analog inputs / 2 analog outputs
- Supports standard Modbus ASCII / RTU protocol and PLC Link function
- No battery required; RTC operates for at least one week after power off (hardware version 2.0 or above)
- Supports DVP-S Series modules (left-side and right-side modules)
- Motion control functions:
  - 4 points of high-speed pulse output: 100 kHz / 2 points, 10 kHz / 2 points
  - 8 points of high-speed pulse input: 100 kHz / 2 points, 10 kHz / 6 points
  - Supports 2-axis linear and arc interpolation