D-shell connector. Stored programs are retained in Flash EPROM memory even if the batteries or the power supply fails.

Program Storage Device Specifications

Attribute	Description
Compatible Controllers	SLC 5/03 and higher, MicroLogix 1000, 1100, 1200, and 1500
Memory Size	64K words maximum
Memory Type	Flash EPROM
Operating Power	(2) AAA batteries, or power supply (7…30V dc, 250 mA max)
Compatible Cables	1747-CP3 and 1761-CBL-PM02 (not included)

Upgrade Kits

SLC 500 OS upgrade kits allow you to access the latest functional enhancements for your existing controller. .

SLC 500 Upgrade Kit Descriptions

Catalog Number	Description
1747-OS302	SLC 5/03 Upgrade Kit – includes 5 upgrade labels
1747-OS401	SLC 5/04 Upgrade Kit – includes 5 upgrade labels
1747-DU501	SLC 5/05 Flash Upgrade Kit – includes CD, instructions, and 5 upgrade labels
1747-RL302	SLC 5/03 Upgrade Kit Labels – includes 10 labels
1747-RL401	SLC 5/04 Upgrade Kit Labels – includes 10 labels
1747-RL501	SLC 5/05 Upgrade Kit Labels – includes 10 labels

1747-BA Lithium Battery Assembly

Backup power for RAM is provided by a replaceable lithium battery. The lithium battery provides backup for approximately five years for the 1747-L511 and two years for the 1747-L514. It provides backup for approximately two years for SLC 5/02, 5/03, 5/04, and SLC 5/05, as well. A battery LED on the processor alerts you when the battery voltage is low.

In system mode, the serial port also supports supervisory control and data acquisition (SCADA) applications. SCADA systems allow you to monitor and control remote functions and processes using serial communication links between master and slave locations.

When configured for user mode, the serial port supports ASCII devices. Use the SLC 500 ASCII instructions to send information to and receive information from these devices.

RS-232/DF1 Port Splitters

The 1747 Port Splitters let a single RS-232/DF1 full-duplex communication port on a controller split into two separate ports for simultaneous connection with two external devices. The Port Splitter supports the following: SLC 500, PLC-5, MicroLogix, ControlLogix, CompactLogix, and FlexLogix controllers.

The Port Splitter has three ports for Controller, Network and Programmer/HMI connections. It also has a connection for a +24V external power source and status LEDs.

- The Controller port connects to the RS-232/DF1 full-duplex port of a controller. The port configuration is set at DF1 full-duplex, 8 bits, no parity, 1 stop bit and CRC checksum on powerup. The port automatically sets the baud rate to 19.2 K or 38.4 K baud taking advantage of the controller's maximum baud rate and can also match the controller's CRC or BCC checksum.
- The Network port on the 1747-DPS1 connects to a 1761-NET-AIC, 1761-NET-DNI or 1761-NET-ENI module and receives any messages initiated from the controller. The network port can source power from the port splitter's external power supply to one of the above modules if a 1761-CBL-AM00 or 1761-CBL-HM02 cable is used.
- The Network port on the 1747-DPS2 provides similar functionality, but can be configured for communications with DH-485, DF1 half-duplex (master or slave), DF1 full-duplex, and DF1 radio modem networks. The port is programmed for DH-485 communication at the factory.
- The 1747-DPS2 port splitter has fully-isolated communication ports. Therefore, no external isolation is required.
- The Prog/HMI port connects to a programming station or HMI device (PanelView Standard, PanelView Plus, VersaView CE) for respond only operations.

The serial configuration for the Network and Programmer/HMI ports on the 1747-DPS1 port splitter must be set to DF1 full-duplex, 8 bits, no parity, 1 stop bit, 19.2 K baud and CRC checksum.

The Network port on the 1747-DPS2 port splitter can be configured forwonderduplex, and DF1 radio modem networks.