

## 1794 FLEX I/O

### I/O Communication Adapters

A FLEX I/O adapter module interfaces FLEX I/O modules to an I/O scanner port across a communication network. The FLEX I/O adapter module contains a built-in power supply that converts 24V DC to 5V DC for the backplane to power the FLEX I/O modules. One adapter communicates with up to eight I/O modules, allowing connection to 256 digital input/output points, or 64 analog input points/32 analog output points, or a mix to meet your needs. Redundant media versions of standard modules have the letter R in the catalog number. Extreme environment versions have the letters XT in the last position of the catalog number, before the series designation. Conformal coated versions of have the letter K in this position.

### EtherNet, ControlNet, and DeviceNet Adapters

	1794-AENT	1794-AENTR § , 1794-AENTRXT § ★	1794-ACN15, 1794-ACN15K ‡ ,	1794-ACNR15 § , 1794-ACNR15XT § ★	1794-ADN, 1794-ADNK ‡
Network	EtherNet/IP	Dual-Port EtherNet/IP	ControlNet		DeviceNet
I/O Module Capacity	8				
Communication Rate	10/100 Mbps		5 Mbps		125 Kbps 250 Kbps 500 Kbps
Thermal Dissipation, Max.	24.9 BTU/hr at 24.0V DC	24.2 BTU/hr at 19.2V DC	15.7 BTU/hr at 19.2V DC		26 BTU/hr at 19.2V DC
Power Dissipation, Max.	7.3 W at 19.2V DC	7.1 W at 19.2V DC	3.4 W at 19.2V DC		7.6 W at 19.2V DC
Power Supply 24V Current Load (mA)	440 mA	400 mA	400 mA		400 mA
Power Supply Input Voltage, Nom.	24V DC				
Operating Voltage Range	19.2...31.2V DC (includes 5% AC ripple)				

§ Redundant media versions of EtherNet/IP and ControlNet adaptors.

★ XT = Extreme environment version.

‡ K = Conformal Coated.

### Universal Remote I/O, Profibus DP, and Local I/O Adapters

	1794-ASB, 1794-ASBK ‡ , 1794-ASBLT ♣	1794-ASB2, 1794-ASB2K ‡	1794-APB	1794-APBDPV1	1794-FLA §
Network	Universal Remote I/O		PROFIBUS DP		Local I/O to a FlexLogix controller
I/O Module Capacity	8	2	8	8	8
Communication Rate	57.6 Kbps 115.2 Kbps 230.4 Kbps		All rates up to 12.0 Mbps		—
Thermal Dissipation, Max.	1.7 BTU/hr at 31.2V DC		26 BTU/hr at 19.2V DC		25.6 BTU/hr at 19.2V DC
Power Dissipation, Max.	4.6 W		7.68 W at 19.2V DC	4.2 W at 19.2V DC	—
Power Supply 24V Current Load (mA)	330 mA	330 mA	330 mA	309 mA	—
Power Supply Input Voltage, Nom.	24V DC				
Operating Voltage Range	19.2...31.2V DC (includes 5% AC ripple)				

‡ K = Conformal Coated.

♣ Use the 1794-ASBLT Series D adapter when communicating with Classic PLC-5/15 or PLC-5/25 via Remote I/O. The 1794-ASBLT Series D adapter is a replacement for the 1794-ASB Series D adapter **only** when communicating with PLC-5/15 or PLC-5/25.

§ The 1794-FLA is an extended local adapter for a FlexLogix controller.

### DeviceNet Straight 5-pin Open Plug to 5-pin Micro Male Connector

The DeviceNet straight 5-pin open plug to 5-pin micro male connector can be used in place of the 5-position open style plugs for DeviceNet, making it easier to connect I/O modules to the network, as well as reducing potential for miswiring and saving wiring time.

The DeviceNet straight 5-pin open plug to 5-pin micro male connector is compatible with:

- 1734D POINTBlock I/O
- 1790 CompactBlock LDX I/O
- 1791D CompactBlock I/O
- 1794-ADN FLEX I/O DeviceNet adapter
- 1799 Embedded I/O

Cat. No.	Description
1799-DNC5MMS	Female Open-style DeviceNet Y Adapter (Qty. 5)
1799-DNC100MMS	DeviceNet straight 5-pin open plug to 5-pin micro male connector (Qty. 100)

