

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	Dual-Port EtherNet/IP	ControlNet	DeviceNet
I/O Module Capacity	8				
Communication Rate	10/100 Mbps		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	20.8 BTU/hr at 24V 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	6.1 W at 19.2V DC	3.4 W at 19.2V DC	7.6 W at 19.2V DC
Input current at 24V DC	440 mA	400 mA	400 mA	400 mA	400 mA
Power Supply Input Voltage, Nom.	24V DC				
Input 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.

Profibus DP Adapter

	1794-APBDPV1
Network	PROFIBUS DP
I/O Module Capacity	8
Communication Rate	All rates up to 12.0 Mbps
Thermal Dissipation, Max.	14 BTU/hr at 19.2V DC
Power Dissipation, Max.	4.2 W at 19.2V DC
Input Current at 24V DC	309 mA
Power Supply Input Voltage, Nom.	24V DC
Operating Voltage Range	19.2...31.2V DC (includes 5% AC ripple)

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:

- 1790 CompactBlock LDX 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)



