

1794-ASB/E

Allen-Bradley (Rockwell Automation) · FLEX I/O / Bulletin 1794

The Allen-Bradley 1794-ASB is a FLEX I/O adapter module that connects FLEX I/O modules to a Universal Remote I/O (RIO) network. It supports up to 8 FLEX I/O modules on a single node and selectable baud rates, enabling distributed I/O architectures and legacy system integration. The /E denotes Series E.

Manufacturer: Allen-Bradley (Rockwell Automation)

Brand: Allen-Bradley

Part Number/Catalog No.: 1794-ASB/E

Base Catalog: 1794-ASB

Series Suffix: E

Product Type: Remote I/O Adapter Module

Product Family: FLEX I/O / Bulletin 1794

Model-Specific Specifications:

Flex I/O Remote I/O adapter

up to 8 FLEX I/O modules

RIO baud 57.6/115.2/230.4 Kbps

24V DC nominal (19.2-31.2V DC range)

330mA@24V

power dissipation 4.6W

isolation 50 V continuous (type-tested 750 V DC, 60 s)

DIN rail

operating 0 to 55 C

dimensions 87x68x69mm

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Series / Family Common Specifications:

Modular components snap together and mount on a DIN rail; each I/O module requires a 1794-TBx terminal base (snaps to DIN rail, provides field wiring + backplane).

Backplane bus is FlexBus; terminal bases link to form the backplane; modules connect via FlexBus + terminal base.

Standard operating temperature 0 to 55 C (storage -40 to 85 C). [FLEX I/O-XT variant rated -20 to 70 C.]

Adapters are 24V DC nominal (input 19.2-31.2V DC); field-side voltage is model-dependent, not family-wide.

Provides basic insulation field-to-system; isolation voltage is per-module / per-terminal-base, not a single family number.

Max 8 I/O modules per adapter assembly; up to 256 digital or 96 analog points per assembly.

Lifecycle Status: Discontinued

Discontinuation Date: 2015-03-31

Recommended Replacement: 1794-AENT / 1794-AENTR (EtherNet/IP) or 1794-ACN15 (ControlNet)