

AMIKON TECHNICAL INTELLIGENCE

Product Data Sheet

Allen-Bradley 1756-L83EP
ControlLogix 5580 Process Controller

Allen-Bradley 1756-L83EP is a ControlLogix 5580 process controller with 10 MB user memory, an embedded 1 Gb Ethernet port and support for up to 250 EtherNet/IP devices.

01

OFFICIAL PRODUCT PARAMETERS

Model	1756-L83EP
Manufacturer	Allen-Bradley
Product type	ControlLogix 5580 process controller
User memory	10 MB
EtherNet/IP devices	250 maximum
Controller tasks	32 tasks; 1000 programs per task
Ethernet performance	10/100/1000 Mbps
Built-in ports	1 USB 2.0 and 1 embedded Ethernet
Integrated motion	EtherNet/IP, SERCOS and analog options
Controller redundancy	Full support with Studio 5000 v33 or later
Backplane current	1200 mA at 5.1 V DC; 5 mA at 1.2 V DC
Isolation voltage	50 V continuous

02

ENVIRONMENT AND PHYSICAL DATA

Operating temperature	-25 to 60 C in Series C standard chassis
Enclosure	Open style
Conformal coating	Yes
Approximate weight	0.394 kg
Dimensions	13.96 x 3.455 x 14.52 cm
Country of origin	United States of America

03

LIFECYCLE AND REPLACEMENT

Rockwell Automation identifies this product as End of Life with a discontinuation date of December 31, 2026 and lists 1756-L83EPXT as the direct replacement. Confirm firmware, chassis, PlantPAx configuration and environmental requirements before migration.