

GUARDLOGIX 5580 CONTROLLERS

Product Data Sheet

1756-L83ES

Safety programmable controller

STANDARD PROGRAM MEMORY	SAFETY PROGRAM MEMORY	STANDARD TASKS	SAFETY TASKS
10 MB	5 MB	31 maximum	1

Allen-Bradley 1756-L83ES is a GuardLogix 5580 safety controller for integrated standard and safety automation in the ControlLogix chassis platform. It provides 10 MB of standard memory and 5 MB of safety memory for machine and process-control projects using the documented safety I/O, firmware and controller configuration.

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VERIFIED TECHNICAL DATA

Standard program memory	10 MB
Safety program memory	5 MB
Standard tasks	31 maximum
Safety tasks	1
Programs per task	1000 maximum
EtherNet/IP node capacity	250 maximum
Embedded Ethernet rate	10 / 100 / 1000 Mbps
USB interface rate	USB 2.0, 12 Mbps
Digital I/O capacity	128,000 maximum
Analog I/O capacity	4000 maximum

ADDITIONAL PRODUCT DATA

Current draw at 5.1 V DC	1.20 A
Current draw at 1.2 V DC	5.0 mA
Power dissipation	6.2 W
Power-cycle endurance	80,000 cycles
Continuous isolation voltage	50 V, basic insulation

DOCUMENTED USE SETTINGS

Automotive Manufacturing and Vehicle Production Automation: Vehicle Body Manufacturing.

Food Processing and Beverage Packaging Production: Food Processing and Packaging.

Industrial Material Handling and Distribution Automation: Warehouse Sorting and Distribution.

SYSTEM COMPATIBILITY

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OFFICIAL SOURCE

Allen-Bradley GuardLogix 5580 controllers official technical documentation

AMIKON PRODUCT SUPPORT

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