

57C443A

Remote I/O Scanner

Reliance Electric 57C443A is an AutoMax A-B Remote I/O Scanner module with scanner and adapter operating modes. It connects an AutoMax rack to approved Allen-Bradley remote I/O devices through the documented remote I/O link.

IDENTITY	VERIFIED VALUE
Manufacturer	Reliance Electric
Complete model	57C443A
Product role	Remote I/O Scanner
System family	AutoMax

MANUFACTURER SOURCE RECORDS

- 1. Reliance Electric AutoMax Control Products Catalog, A-B Remote I/O Scanner Module section
- 2. Reliance Electric 57C443A selection and application data

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Product Overview

System function

Reliance Electric 57C443A is an AutoMax A-B Remote I/O Scanner module with scanner and adapter operating modes. It connects an AutoMax rack to approved Allen-Bradley remote I/O devices through the documented remote I/O link.

Dual operating modes

Runs as a remote I/O scanner or as an AutoMax adapter.

Multiple remote racks

Scans up to the documented 32 remote I/O racks.

Selectable network rate

Supports the three documented A-B remote I/O baud rates.

Block-transfer support

Transfers documented analog and specialty-module data through block reads and writes.

Technical note

Preserve the existing 57C443A product image and user-entered commercial fields. Verify the AutoMax rack, scanner or adapter mode, remote racks, baud rate, addressing and application configuration before service.

Technical Data and Acceptance

PARAMETER	VERIFIED VALUE	PARAMETER	VERIFIED VALUE
Product identity	57C443A	Rack sizes	Quarter, half, three-quarter or full rack
System	AutoMax	Discrete I/O	Supported
Function	A-B Remote I/O scanner with adapter mode	Analog I/O	Supported through documented block transfers
Operating modes	Scanner or adapter	Block transfers	Up to 48
Remote I/O racks in scanner mode	Up to 32	Adapter requests	Up to 48 block read or write requests
Supported rates	57.6, 115.2 and 230.4 kbit/s	Cable type	Allen-Bradley 1770-CD or Belden 9463 twinaxial
Addressing	1/2-slot, 1-slot or 2-slot	Backplane interface	Dual-port memory
Complementary addressing	Not supported	Backplane current	0.65 A at 5 V

Engineering boundary

Preserve the existing 57C443A product image and user-entered commercial fields. Verify the AutoMax rack, scanner or adapter mode, remote racks, baud rate, addressing and application configuration before service.

Applications and Engineering FAQ

APPLICATION	ENGINEERING CONTEXT
AutoMax remote I/O scanner	Connects an AutoMax rack to documented A-B 1771, Flex, Block or SLC 500 remote I/O.
AutoMax adapter station	Presents configured AutoMax data as one or more remote racks to a host scanner.
Legacy network renewal	Restores a controlled remote I/O link while retaining rack, address and rate records.
Discrete and analog integration	Coordinates discrete image transfers and approved block-transfer modules.

Model-Specific FAQ - Part 1

QUESTION	ANSWER
What is Reliance Electric 57C443A?	57C443A is an AutoMax A-B Remote I/O Scanner module with scanner and adapter modes.
How many remote racks can Reliance Electric 57C443A scan?	The scanner mode supports up to 32 A-B remote I/O racks.

Related Products

MODEL	APTER POWER PAGE
Allen-Bradley 1756-OV32E	View Allen-Bradley 1756-OV32E
Allen-Bradley 1771-NBSC-C	View Allen-Bradley 1771-NBSC-C
Allen-Bradley 1771-OQ16	View Allen-Bradley 1771-OQ16
Allen-Bradley 1784-PKTX	View Allen-Bradley 1784-PKTX

FAQ, Related Products and Sources

QUESTION	ANSWER
Which network rates support Reliance Electric 57C443A?	The selectable rates are 57.6, 115.2 and 230.4 kbit/s.
Which addressing methods support Reliance Electric 57C443A?	The documented methods are half-slot, one-slot and two-slot addressing.
Does Reliance Electric 57C443A support complementary addressing?	No. The catalog states that complementary addressing is not supported.
How many block transfers support Reliance Electric 57C443A?	The scanner supports up to 48 configured block transfers.
Which cable supports Reliance Electric 57C443A?	The catalog specifies Allen-Bradley 1770-CD or Belden 9463 twinaxial cable.
What confirms Reliance Electric 57C443A commissioning?	Verify mode, rack map, rate, addressing, termination, discrete data, block transfers, diagnostics and fail-state behavior.

MODEL	APTER POWER PAGE
Allen-Bradley 1785-PFB	View Allen-Bradley 1785-PFB
Allen-Bradley 1771-SDN	View Allen-Bradley 1771-SDN
Allen-Bradley 2711P-B15C22D9P	View Allen-Bradley 2711P-B15C22D9P
Allen-Bradley 2711P-T10C4D1	View Allen-Bradley 2711P-T10C4D1

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