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Data Sheet

August 13, 2026

SCHNEIDER ELECTRIC / INVENSYS / FOXBORO

Schneider Electric / Invensys / Foxboro P0961FR Control Processor CP60 Module

Foxboro P0961FR Control Processor 60 (CP60) The Foxboro P0961FR is the I/A Series Control Processor 60 (CP60). With connected Fieldbus Modules, CP60 performs regulatory, logic, timing, and sequential control plus data acquisition, alarm detection, and alarm notification. The non-fault-tolerant CP60S is a single-width processor module. The fault-tolerant CP60 consists of two single-width processor modules. Algorithms support feedback and cascade loops through feedforward, nonlinear, and complex characterization schemes. The Foxboro P0961FR is the I/A Series Control Processor 60 (CP60). With connected Fieldbus Modules, CP60 performs regulatory, logic, timing, and sequential control plus data acquisition, alarm detection, and alarm notification. The non-fault-tolerant CP60S is a single-width processor module. The fault-tolerant CP60 consists of two single-width processor modules. Algorithms support feedback and cascade loops through feedforward, nonlinear, and complex characterization schemes. Foxboro I/A Series process control for oil and gas, petrochemical, power, pulp and paper, food and beverage, and water/wastewater; regulatory and sequential control of analog and discrete FBMs; migration/MRO of CP60 nodes.

**MODEL****Schneider Electric
/ Invensys /
Foxboro P0961FR****CALIBRATION****Available on
request****CONDITION****Used****STATUS****In stock****RFQ / SKU****P0961FR****LISTING**<https://aumictechlabs.com/products/p0961fr-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Schneider Electric / Invensys / Foxboro P0961FR is a Control Processor 60 (CP60) module engineered for distributed control within the Foxboro I/A Series DCS. This 32-bit processor executes regulatory, logic, timing, and sequential control algorithms at 100 MHz clock speed. It manages real-time data acquisition, alarm detection and notification, and bidirectional communication between Fieldbus Modules, field devices, controllers, and supervisory systems. The module supports user-defined control strategies including PID and sequential logic, with 2 Mbps data throughput for inter-module communication. Technical Specifications

Manufacturer: Schneider Electric / Invensys / Foxboro Model: P0961FR Processor: 32-bit, 100 MHz clock speed Data Throughput: 2 Mbps Height: 7.2 in Redundancy: Dual-processor fault-tolerant configuration (CP60); single-width non-fault-tolerant variant (CP60S) available Key

Features Real-time data processing and fast control logic execution Handles complex regulatory and sequential control tasks Live updating loop drawings with graphical configuration

environment One-spot engineering environment using common integrated database Dual-processor redundancy support with main or backup processor capability Configurable for

redundant power supplies and high-availability architectures Communication & Protocols Modbus integration for third-party device connectivity TCP/IP for remote monitoring and control

Proprietary Foxboro protocols and industry-standard protocol support (OPC) High-speed communication interfaces for system module interconnection Typical Applications

Process control ranging from basic feedback loops to feedforward and nonlinear control schemes. Field device management, multi-loop PID implementation, alarm-driven logic sequences, and supervisory data exchange in industrial automation environments.

Features & description

From manufacturer datasheet

Features

- Control Processor 60 (CP60) / CP60S simplex
- Regulatory, logic, timing, and sequential control
- Data acquisition with alarm detection and notification
- Direct support of 32 Fieldbus Modules; expandable to 128 FBMs via FEM100
- Fault-tolerant dual-module or simplex single-width packaging
- I/A Series Fieldbus to 200 Series and supported 100 Series FBMs

P0961FR Characteristics / Specifications

PARAMETER	VALUE
Model	P0961FR
Manufacturer	Foxboro (Invensys / Schneider Electric)
Instrument Type	Control Processor
Series	I/A Series Control Processor 60
Alias	P0961FR; CP60; CP60S; P0961FR CP60
Processor Role	executes control strategies, logic sequences, and timing
Control Functions	regulatory, logic, timing, sequential control
Data Functions	data acquisition, alarm detection, alarm notification
Simplex Version	CP60S single-width processor module
Fault Tolerant Version	CP60 two single-width processor modules
FBM Direct Capacity	32 Fieldbus Modules
FBM Expanded Capacity	128 FBMs via FEM100 expansion
Supported Strategies	simple feedback and cascade through feedforward, nonlinear, and complex characterization
I/O Family	connected Fieldbus Modules (FBMs)
Communication	I/A Series Fieldbus to FBMs
Power Input Catalog	24 V dc (typical listings)
Operating Temperature Catalog	0 to +60 C (+32 to +140 F) (reseller/OEM listings)
Module Size Catalog	about 14.7 cm x 5.15 cm x 11.4 cm (one listing)
Net Weight Catalog	about 0.6 kg (one listing); other listings 0.3 kg
Shipping Weight Catalog	about 1.5 kg (one listing)
Enclosure System Size Listing	17.8 cm x 7.6 cm x 50.8 cm (packaging listing)
Protection Listing	IP20 (reseller)
Platform	Foxboro I/A Series DCS
Successor Path	FCP270 / FCP280 Field Control Processors for new nodes
Redundancy	dual hot-standby fault-tolerant pair (CP60) or simplex (CP60S)

PARAMETER	VALUE
Algorithm Versatility	coupled with variety of FBMs for broad process applications
Mounting	I/A Series processor mounting / control processor slot
Country Of Origin Catalog	USA
Software Companion	CP60 / CP60S control software with connected FBMs Notes Specs from Foxboro CP60 product descriptions for P0961FR. Some reseller tables mix FCP270 memory figures; those are not used here. Confirm simplex versus fault-tolerant pair, FEM100 expansion, and node firmware on the installed unit.
Operating temperature	Catalog: 0 to +60 C (+32 to +140 F) (reseller/OEM listings)

General Specifications & Supplementary Characteristics

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Operating temperature	Catalog: 0 to +60 C (+32 to +140 F) (reseller/OEM listings)
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Full OEM specifications

Complete technical content extracted from the manufacturer datasheet. Sparse OEM tables are reconstructed as tables below; other text is preserved as paragraphs.

Specifications	
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Manufacturer	Foxboro (Invensys / Schneider Electric)
Instrument Type	Control Processor
Series	I/A Series Control Processor 60
Alias	P0961FR; CP60; CP60S; P0961FR CP60
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Control Functions	regulatory, logic, timing, sequential control
Data Functions	data acquisition, alarm detection, alarm notification
Simplex Version	CP60S single-width processor module
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Notes

Specs from Foxboro CP60 product descriptions for P0961FR. Some reseller tables mix FCP270 memory figures; those are not used here. Confirm simplex versus fault-tolerant pair, FEM100 expansion, and node firmware on the installed unit.

Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: Available on request. Used · In stock.

Request a quote: sales@aumictech.com · +1 (484) 841-9341

Aumictech

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Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.