Foxboro FBM231

Serial Interface Module / Exact identity and technical profile

This reference separates the exact published characteristics of Foxboro FBM231 from neighboring family variants and undocumented suffixes.

Module designation	FBM231
Current module part number	P0926GV
Operating arrangement	Redundant Master / Tracker pair
Serial ports	4 independently configurable
Physical interfaces	RS-232, RS-422 or RS-485
RS-485 device capacity	Up to 64 devices per module

TECHNICAL MARKER

4 configurable serial ports

TECHNICAL MARKER

RS-232 / RS-422 / RS-485

TECHNICAL MARKER

Master/Tracker redundancy

TECHNICAL MARKER

Up to 2,000 DCI connections

Technical boundary

The exact model and its published data govern this reference. Similar family names, suffixes or physical appearance do not establish the same electrical or software behavior.

Identity evidence	Read FBM231 from the installed label and procurement record
Function evidence	Confirm the published serial interface module role in the Foxboro DCS 200 Series system
Configuration evidence	Retain the project, mapping, range, address or interface assigned to this position
Release evidence	Link final diagnostics to a witnessed field or operator response

TECHNICAL DECISION

Accept FBM231 only when its identifier and installed-system role agree.

CHANGE BOUNDARY

Any redesign beyond the documented FBM231 position requires separate engineering approval.

Foxboro FBM231

Serial Interface Module / Published characteristics

This matrix groups the published FBM231 characteristics that control identification, configuration and engineering review. Each entry remains tied to the exact serial interface module record.

Module designation	FBM231
Current module part number	P0926GV
Operating arrangement	Redundant Master / Tracker pair
Serial ports	4 independently configurable
Physical interfaces	RS-232, RS-422 or RS-485
RS-485 device capacity	Up to 64 devices per module
Direct RS-232/422 capacity	Up to 4 devices
DCI capacity	Up to 2,000 connections
Baud range	300 to 115200 baud
Module Fieldbus	Redundant 2 Mbps
Input supply	24 V DC +5%, -10%
Maximum consumption	7 W per module

INTERPRETATION

Use every FBM231 value with the exact installed configuration.

DESIGN RECORD

Retain the drawing, project and channel or interface assignments that make FBM231 data actionable.

Nameplate check	Manufacturer and full reference agree with the controlled record
Range check	Published operating or signal data agree with the configured use
Interface check	Backplane, terminal, cable, network or memory arrangement is documented
Limit check	Loading, channel count, supply or lifecycle constraint is reviewed
Evidence close	Source title and applicable product record are retained with the decision

NO BORROWED VALUES

Another Foxboro suffix cannot fill a missing FBM231 parameter.

ENGINEERING OUTPUT

Record the exact value used, its purpose and any unresolved item before selection.

Foxboro FBM231

Serial Interface Module / System role and data flow

Serial instrument integration

Collects data from supported serial field devices through four configured ports.

Redundant protocol gateway service

Maintains serial communications through a Master/Tracker module pair.

Legacy device concentration

Maps supported serial process data into the Foxboro control database.

Multi-drop RS-485 networks

Connects addressed instruments through approved RS-485 topology and termination.

Signal and configuration path

Field layer	Sensors, loads, terminal or operator interface assigned by the design
Module layer	FBM231 performs its published serial interface module role
Control layer	PLC project, address map or runtime application interprets the exchanged data
Acceptance layer	Diagnostics and intended process response are witnessed together

Engineering boundary

Application examples describe system roles only. They do not establish automatic interchangeability, replacement approval or suffix equivalence.

Observed input	Field, network or operator condition presented to FBM231
Published action	The documented serial interface module function processes that condition
Configured interpretation	PLC logic, HMI project or station mapping assigns system meaning
Expected output	A defined state, value, message or command is produced
Acceptance proof	The complete path is witnessed under controlled conditions

APPLICATION RECORD

Tie each FBM231 use case to the installed drawing or project tag.

EXCEPTION CONTROL

Document and resolve any behavior that differs from the approved response.

Foxboro FBM231

Serial Interface Module / Engineering decisions

SUPPORTED IDENTITY

FBM231

PUBLISHED FUNCTION

Serial Interface Module

SYSTEM CONTEXT

Foxboro DCS 200 Series

UNSUPPORTED INFERENCE

A nearby model, suffix or family resemblance

Model-specific questions

How many serial ports are available on Foxboro FBM231?

It provides four independently configurable serial I/O ports.

How is redundancy implemented for Foxboro FBM231?

Two modules operate as a Master/Tracker pair with shared field termination.

Which baud-rate range is supported by Foxboro FBM231?

Its serial ports support rates from 300 through 115200 baud.

Which supply is required by Foxboro FBM231?

The module uses redundant 24 V DC input at +5 percent and -10 percent.

Which electrical interfaces can Foxboro FBM231 use?

Each port can be configured for RS-232, RS-422 or RS-485 service.

How many RS-485 devices can Foxboro FBM231 access?

The manufacturer states that an FBM231 can access up to 64 devices in RS-485 mode.

How many DCI connections can Foxboro FBM231 support?

The redundant module pair supports up to 2,000 DCI connections.

What proves commissioning of Foxboro FBM231?

Verify all four ports, every addressed device and mapped value, then witness Master/Tracker failover without losing required communications.

Decision closeout

Close the FBM231 technical review with the exact identifier, applicable published limits and the installed configuration assumptions explicitly recorded.

Question coverage	Identity, function, configuration and field handling addressed
Open item	Any unanswered exact-model point is listed without guessed data
Decision owner	Responsible engineering or maintenance role identified
Supporting record	Drawing, project revision, readings and witnessed result attached

APPROVAL

The FBM231 decision is accepted only within the documented scope.

REVIEW TRIGGER

A different suffix, wiring arrangement, project or application requires a new review.

Foxboro FBM231

Serial Interface Module / Evidence and support

Exact product	Foxboro FBM231
Technical class	Serial Interface Module
Platform	Foxboro DCS 200 Series
Evidence use	Exact-model characteristics and engineering boundary
Record with	Installed drawing, project and acceptance evidence

Retained evidence	Nameplate, source title, configuration baseline and field record
Installation evidence	Isolation, conductor/connector record and post-work inspection
Commissioning evidence	Diagnostics, measurements and intended response
Final record	Responsible witness, date, exceptions and approved disposition

VERIFIED APTER POWER CATALOG REFERENCES

Navigation only; compatibility, substitution and manufacturer endorsement are not implied.

Honeywell 51401052 100	View Honeywell 51401052 100 page
Honeywell 51303968 100	View Honeywell 51303968 100 page

MANUFACTURER EVIDENCE RECORD

Foxboro FBM231 Product Specification

PSS 41H-2S231 Rev B, May 2025

CONTACT APTER POWER

WHATSAPP / PHONE +86 180 3023 5313

EMAIL sales13@apterpower.com

WEBSITE www.apterpower.com

Send the exact model, quantity, destination and requested condition for a quotation.