

Foxboro - 200 Series / EcoStruxure Foxboro DCS**FBM246B**

Redundant FoxCom and Analog Output Intelligent Device Module

Verified product identity

The official document styles the function as FBM246b; RH927AE is the current exact module part number and supersedes P0927AE.

Verified specifications

Channel interface	4 isolated FoxCom channels and 4 analog output channels
FoxCom topology	Point-to-point, master/slave, asynchronous, half-duplex
Selectable baud rate	600 or 4,800 baud per channel
Message rate	10 messages/s at 4,800 baud; 2 messages/s at 600 baud
Maximum distance	600 m at 4,800 baud; 1,800 m at 600 baud
Error checking	CCITT 2-byte CRC
Compliance voltage	19 VDC minimum at 20.5 mA
Maximum loop resistance	400 Ω with IS barrier; 330 Ω without IS barrier
Field-device internal power	23.1 to 25.3 VDC; 200 Ω source resistance
Isolation test	600 VAC for one minute
Analog output accuracy	$\pm 0.05\%$ of span
Analog output load	750 Ω maximum
Analog output delay	30 ms maximum
Analog output resolution	13 bits
Pair power consumption	10 W maximum

Selection summary

Foxboro FBM246B is a redundant dual-baud intelligent-device module with four FoxCom channels and four 0-20 mA analog outputs.

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Additional verified specifications

Pair heat dissipation	6 W maximum
Current module part number	RH927AE
Superseded module part number	P0927AE
Module Fieldbus	Redundant 2 Mbps
Input power	24 VDC +5%, -10%
Operating temperature	-20 to +70°C
Storage temperature	-40 to +70°C
Relative humidity	5 to 95%, noncondensing
Operating altitude	-300 to +3,000 m
Storage altitude	-300 to +12,000 m
Vibration	0.75 g from 5 to 500 Hz
Contamination class	ISA-S71.04 Class G3
Dimensions	10.2 × 4.5 × 10.4 cm (H × W × D); 11.4 cm height including mounting lugs
Weight	0.284 kg per module (official approximate module net weight)

Installation and commissioning

- Match the exact electronic-module order number, termination assembly, cable, field power and system configuration.
- Preserve channel configuration, wiring, grounding, redundancy state and active diagnostics before removal.
- Commission every used channel with controlled signals and verify alarms, diagnostics and control behavior.

Official applications

- FoxCom communication with four intelligent field devices
- Four-channel 0-20 mA valve and actuator output control
- Mixed intelligent-device communication and analog output control in one redundant module pair

Evidence boundary

Dimensions and weight apply only to the FBM246B electronic module. Termination assemblies, cables, adapters, companion modules and packaging are excluded.

Source basis: official Schneider Electric / Foxboro model-specific Product Specifications Sheet.