

Foxboro - I/A Series / EcoStruxure Foxboro DCS**FBM208****Redundant Four-Channel Analog Input/Output Module with Output Readback****Verified product identity**

FBM208 is the exact functional designation; RH914TB is the current module part number; RH916NN is separate redundant-adapter hardware. FBM208b is a different model and is not used here.

Verified specifications

Redundancy	Two FBM208 modules in adjacent baseplate slots
Analog inputs	4 per redundant pair
Analog outputs	4 per redundant pair, with output readback
Input/output range	0 to 20.4 mA DC nominal
Input accuracy	$\pm 0.3\%$ of span including redundant-adapter resistor
Input impedance	60 Ω nominal
Output accuracy	$\pm 0.05\%$ of span
Output load	750 Ω maximum
Output resolution	13 bits
Output processing delay	30 ms maximum
Readback response	Marks output BAD above $\pm 2\%$ deviation; cuts channel power above +2%
Required redundant adapter	RH916NN
Pair power consumption	10 W maximum

Selection summary

Foxboro FBM208 is a redundant four-channel analog I/O module with output readback for high-availability 0-20 mA Foxboro DCS control loops.

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FBM208

Additional verified specifications

Pair heat dissipation	7 W maximum
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 (W × H × D)	4.5 × 10.2 × 10.4 cm
Weight	0.284 kg per module

Installation and commissioning

- Use the documented RH916NN redundant adapter and project-approved termination hardware.
- Preserve the saved channel configuration, field wiring, grounding and diagnostics before removal.
- Commission every used channel with traceable signals and verify alarms and control behavior.

Official applications

- High-availability single-input/single-output control
- Redundant 4-20 mA input acquisition
- Readback-monitored redundant analog output control

Evidence boundary

Dimensions and weight apply to the FBM208 electronic module. Termination assemblies, cables, redundant companion modules and packaging are excluded.

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