

Foxboro - Foxboro 200 Series FBM**FBM228**

Four-Channel FOUNDATION Fieldbus Module

Verified model data

Manufacturer	Schneider Electric / Foxboro
Part number	FBM228
Product family	Foxboro 200 Series FBM
Product type	Four-Channel FOUNDATION Fieldbus Module
H1 links	4 galvanically isolated channels
Devices per link	Up to 16; 64 per module
H1 transmission rate	31.25 kbit/s
Module Fieldbus	Redundant 2 Mbit/s
Maximum FBM-to-TA distance	30 m
Minimum macrocycle	200 ms
Mounting	DIN rail-mounted FBM on a supported baseplate

Selection summary

Foxboro FBM228 provides four independent FOUNDATION Fieldbus H1 links, each with Link Active Scheduler capability, for integrating intelligent transmitters and actuators into a Foxboro DCS.

The module exchanges cyclic process data and acyclic device information with compatible FCP280, FCP270 or supported legacy communication hardware through the redundant module Fieldbus.

It is used where multiple H1 segments require channel isolation, individual diagnostics and optional module redundancy without combining the field wiring of separate segments.

APTER POWER

Foxboro - Foxboro 200 Series FBM**FBM228****Additional verified data**

Module dimensions	4.5 × 10.2 × 10.4 cm (W × H × D); 11.4 cm height including mounting lugs
Module net weight	0.284 kg
Operating temperature	-20 to 70°C at -300 to 914 m; derated to 60°C at 915 to 3000 m
Relative humidity	5 to 95%, non-condensing

H1 Network

- Keep each H1 link as an independent powered segment
- Use two correctly placed terminators on every segment
- Confirm device addresses and scheduled communication before startup

Redundancy

- Match both module order codes and approved baseplate hardware
- Check master and tracker status before disturbing a live pair
- Restore the exact database and H1 schedule after replacement

Diagnostics

- Review per-link communication and power indications
- Investigate segment errors before changing control configuration
- Confirm automatic recovery after a controlled power cycle

Application checkpoints

- FOUNDATION Fieldbus transmitter integration in process plants
- Redundant H1 I/O for critical refinery and chemical loops
- Segmented intelligent valve and analyzer networks

Evidence boundary: The current and legacy official FBM228 documents verify the generic FBM228 function. The backend model must still preserve the actual installed order code when it is known.

Source basis: Schneider Electric Foxboro FBM228 official product specification sheets.