AAI141-S00 S2

Yokogawa / FIO analog input module

Yokogawa AAI141-S00 S2 is an FIO analog input module for 4–20 mA process measurements in a configured CENTUM FIO station.

Overview

AAI141-S00 S2 is a 16-channel 4–20 mA analog input module for Yokogawa FIO. The AAI141 reference is a nonisolated input design, so field wiring and protective isolation are governed by the approved station and loop architecture.

The documented analog accuracy is ±16 µA with a 10 ms data-update period. The module supplies process values to the configured field control station; scaling, alarm limits and transmitter health handling belong to the control project rather than the card identity alone.

Technical specification matrix

I/O role	Analog input
Reference design	AAI141-S
Channels	16
Signal	4–20 mA
Accuracy	±16 µA
Data update	10 ms
Isolation	Nonisolated input design
Installed wiring	Match the approved terminal and transmitter supply arrangement

Applications and system fit

Process-value acquisition Receive 4–20 mA signals from approved process transmitters in the FIO station.	**Regulatory control feedback** Pass scaled measurements to configured control loops and operator displays.

Alarm and trend inputs Supply analog values to the project alarm, history and diagnostic functions.	**Input-module restoration** Restore a verified AAI141 position while retaining loop wiring and scale assignments.

Product precautions

Review grounding Retain the approved nonisolated-loop grounding design.	**Check polarity** Verify each 4–20 mA terminal assignment.
Preserve scaling Record engineering-unit range and alarm settings.	**Control the process** Place affected loops in their approved maintenance state.

Source and application boundary

Yokogawa GS 33J60F60-01EN, Analog I/O Modules for FIO.

AAI141-S technical figures are reference-design values. Match the complete offered style, host and terminal configuration before applying them.

Related product references

Separate product listings for project review; confirm each order code and system fit independently.

Yokogawa VI702 S1	Yokogawa ADV551-P03 S2

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Send the complete model and installed-system details when requesting a quotation.