



TK-IAH161

Coated 16-Point Analog Input Module

Product scope

- Provides sixteen analog-input points for 4–20 mA and 10 V process signals.
- Uses the non-isolated IAH161 channel architecture documented for this module type.
- Carries the TK coated configuration for the Series C hardware family.

Manufacturer source

Honeywell 2020 November System HINTS, Series C model listing.

This web-optimized copy retains only product-relevant manufacturer information.

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TK-IAH161 verified technical reference

Coated 16-Point Analog Input Module

Exact product identity

Honeywell TK-IAH161 is a coated 16-point non-isolated analog input module for 4–20 mA and 10 V field signals in Series C control systems.

Manufacturer	Honeywell
Model	TK-IAH161
Product family	Honeywell Series C I/O
Product type	Non-Isolated Analog Input Module
Model	TK-IAH161
Module function	Analog input
Input points	16
Supported signals	4–20 mA / 10 V
Channel isolation	Non-isolated
Coating	Coated
System family	Honeywell Series C I/O

Manufacturer source

Honeywell 2020 November System HINTS, Series C model listing.

Only facts that can be matched to the exact ordering code are included in this product reference.

TC-FXX172	17 SLOT CHASSIS 13 AMP	TK-FFIF01	Fieldbus Interface Module, Coated
TC-FXX72	7 SLOT CHASSIS 13 AMP	TK-FXX101	10 SLOT RACK COATED
TC-HAI081	(CIOM-A) HART AI Module (8)pt	TK-FXX102	10 SLOT CHASSIS 13 AMP COATED
TC-HAO081	(CIOM-A) HART AO Module (8)pt	TK-FXX131	13 SLOT RACK COATED
TC-IAH061	AI 6 PT 4-20MA/10V	TK-FXX132	13 SLOT CHASSIS, 13 AMP COATED
TC-IAH161	AI 16PT 4-20MA/10V NON-ISOLATED	TK-HAI081	(CIOM-A) HART AI Module (8)pt, coated
TC-IDA161	AC INPUT 120 VAC 16 PT	TK-HAO081	(CIOM-A) HART AO Module (8)pt, coated
TC-IDA321	AC INPUT 120VAC 32PT	TK-IAH061	Analog In, 6 pt (4-20ma & 10v), coated
TC-IDD161	DC INPUT 24VDC 16 PT	TK-IAH161	Analog In, 16 pt, coated
TC-IDD321	DC INPUT 24VDC 32PT	TK-IDA161	120vac, 16 pt, coated
TC-IDJ161	DC IN 24 VDC 16 PT ISOLATED	TK-IDB321	DIGITAL INPUT, 120 VAC 32 PT COATED
TC-IDK161	AC IN 120VAC 16 PT ISOLATED	TK-IDD321	24vdc, 32 pt, coated
TC-IDW161	AC IN 220 VAC 16 PT ISOLATED	TK-IDJ161	24vdc, 16 pt (isolated), coated
TC-IDX081	AC IN 120VAC 8 PT DIAGNOSTICS	TK-IDK161	120vac ,16 pt (isolated), coated
TC-IDX161	DC IN 10-30 VDC 16 PT DIAGNOSTICS	TK-IDW161	220vac, 16 pt (isolated), coated
TC-IOLI01	I/O Link Interface	TK-IDX081	120vac, 8 pt (diagnostic), coated
TC-IXL061	THERMOCOUPLE INPUT 6 PT	TK-IDX161	10 - 30vdc, 16 pt (diagnostic), coated
TC-IXL062	CIOM-A T/C module (not coated)	TK-IOLI01	I/O Link Interface
TC-IXR061	RTD INPUT 6 PT	TK-IXL061	Thermocouple Input, 6 pt, coated
TC-MDP081	PULSE INPUT 8 CHANNEL IN/2 CHANNEL OUT	TK-IXL062	CIOM-A T/C module (coated)
TC-MUX021	SERIAL INTERFACE MODULE 2 CHANNEL	TK-IXR061	RTD Input, 6 pt, coated
TC-OAH061	AO 6 PT 4-20MA	TK-MDP081	Pulse Input Module, Coated
TC-OAV041	AO 4PT 4-20MA/10V NON-ISOLATED	TK-MUX021	Serial Input Module, Coated
TC-OAV061	AO 6 PT 10V	TK-OAH061	Analog Output, 6 pt (4-20ma), coated
TC-OAV081	AO 8PT 4-20MA/10V NON-ISOLATED	TK-OAV061	Analog Output, 6 pt (10v), coated
TC-ODA161	AC OUTPUT 120/220VAC 16PT	TK-OAV081	Analog Output, 8 pt (non-isolated), coated
TC-ODA321	AC OUTPUT 120VAC 32PT	TK-ODA161	120/220vac, 16 pt, coated
TC-ODC081	AC OUTPUT 120/220 VAC 8PT	TK-ODD321	24vdc, 32 pt, coated
TC-ODD081	DC OUTPUT 24VDC 8 PT	TK-ODJ161	24vdc, 16 pt (isolated), coated
TC-ODD161	DC OUTPUT 24VDC 16 PT E-FUSED	TK-ODK161	120/220vac, 16 pt (isolated), coated



TK-IAH161 engineering review

Coated 16-Point Analog Input Module

Configuration and integration

Honeywell TK-IAH161 is the conformally coated member of the 16-point Series C analog-input family. Its ordering identity combines sixteen input channels with the 4–20 mA and 10 V signal range of the corresponding IAH161 design.

The module consolidates multiple continuous process measurements for the controller without channel-to-channel isolation. Coating supports use in cabinets where the project specifies the coated Honeywell variant.

Match the installed chassis, I/O termination assembly, signal type and grounding scheme before commissioning. A TK-prefixed coated unit should not be substituted solely on channel count without checking the exact IAH161 wiring arrangement.

Installation attention

TK-IAH161 is non-isolated; confirm common-reference wiring, field-loop grounding and the exact Series C termination assembly before replacement.

Verified functional points

Applications

- Concentrates 4–20 mA measurements from process transmitters into a Series C controller rack.
- Accepts supported voltage signals where the project uses the documented 10 V analog-input range.
- Fits coated control cabinets that require a sixteen-channel analog acquisition module.

Signal Inputs

- Sixteen channels provide the documented analog acquisition density for multi-loop process measurements.
- The supported input formats include 4–20 mA current loops and 10 V voltage signals.
- Non-isolated channels share the electrical-reference constraints of the IAH161 design.

Compatibility

- The module belongs to Honeywell Series C I/O hardware and must match the installed controller arrangement.
- Field wiring and the termination assembly must correspond to the sixteen-point analog-input configuration.
- The TK coated version should be retained when the cabinet specification calls for coated electronics.

Installation

- Verify loop polarity and the common-reference scheme before landing transmitter wiring.
- Confirm current-versus-voltage channel scaling in the engineering database before energizing inputs.
- Inspect chassis keying and connector condition so the replacement seats without forcing the backplane interface.

Source record

Honeywell 2020 November System HINTS, Series C model listing.



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