

INDUSTRIAL AUTOMATION PRODUCT

CC-PAIX02

High-Level Analog Input Module

High-level analog voltage and 4-20 mA process inputs

IDENTITY	VERIFIED VALUE
Manufacturer	Honeywell
System family	Experion Series-C I/O
Part number	CC-PAIX02
Country	USA
HS code	8537101190

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Technical Specifications

Technical values below are limited to the named Honeywell product record.

PARAMETER	TECHNICAL VALUE
Input type	Voltage or current; 2-wire or self-powered transmitters
Channels	16; 12 single-ended / 4 differential
A/D resolution	16 bit
Ranges	0-5 V; 1-5 V; 0.4-2 V; 4-20 mA through 250 Ohm
CMRR	70 dB, dc to 60 Hz
Common-mode voltage	-6 to +5 V peak
NMRR	19 dB at 60 Hz
Input filter	Single pole; -3 dB at 6.5 Hz
Maximum differential input	+/-30 V
Crosstalk	-60 dB
Powered input impedance	>10 MOhm
Scan period	50 ms
Accuracy at 23.5 +/-2 degC	+/-0.075% FS
Accuracy at 0 to 60 degC	+/-0.15% FS
Compatible IOTAs	CC-TAIX01, CC-TAIX11, CC-GAIX21, CC-GAIX11, CC-TAID01, CC-TAID11

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System Role and Architecture

High-level analog voltage and 4-20 mA process inputs

FUNCTION 1

Acquires sixteen analog process channels

FUNCTION 2

Supports single-ended and differential input arrangements

FUNCTION 3

Converts field values with a sixteen-bit A/D converter

FUNCTION 4

Pairs with the documented Series-C analog-input IOTAs

Matched system components

- approved Series-C input IOTA
- 2-wire or self-powered transmitters
- Series-C carrier
- Experion Control Builder configuration

SYSTEM INTEGRATION RECORD

INTEGRATION ITEM	DOCUMENTED ROLE
Installed host / carrier	approved Series-C input IOTA
Companion hardware	2-wire or self-powered transmitters
Field connection	Series-C carrier
Primary system function	Acquires sixteen analog process channels
Controlled acceptance duty	Pressure and flow acquisition

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Applications and Engineering Context

Pressure and flow acquisition

Acquires sixteen analog process channels

Differential voltage measurement

Supports single-ended and differential input arrangements

Process-temperature transmitter input

Converts field values with a sixteen-bit A/D converter

Analog-input module replacement

Pairs with the documented Series-C analog-input IOTAs

TECHNICAL NOTE

Match the installed IOTA, single-ended/differential allocation, 250-ohm current input path, channel range, grounding and transmitter power before loop checks.

MODEL-SPECIFIC ACCEPTANCE EVIDENCE

CHECK	ACCEPTANCE CONDITION
Identity	CC-PAIX02 / CC-PAIX02 recorded
Physical interface	approved Series-C input IOTA
Companion check	2-wire or self-powered transmitters
Functional proof	Acquires sixteen analog process channels
Application test	Pressure and flow acquisition

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Engineering Precautions

- 1 Verify the complete CC-PAIX02 marking and its assigned high-level analog-input position before work.
- 2 Place the connected process and control strategy in the approved maintenance state.
- 3 Isolate the applicable cabinet supply and analog input field energy before disconnecting conductors.
- 4 Record terminal numbers, channel assignments, polarity, shields and configured ranges before removal.
- 5 Use ESD controls and protect the backplane connector, terminal hardware and coated electronics.

RELATED PRODUCTS ON APTER POWER

MODEL	SYSTEM ROLE	APTER POWER PAGE
FS-CPCHAS-0003	Related industrial automation product	View FS-CPCHAS-0003 page
51303976-400	Related industrial automation product	View 51303976-400 page
05704-A-0135	Related industrial automation product	View 05704-A-0135 page
51303940-200	Related industrial automation product	View 51303940-200 page
CC-TAIX61-51307077-175	Related industrial automation product	View CC-TAIX61-51307077-175 page
DC-TPOX01-51307770-176	Related industrial automation product	View DC-TPOX01-51307770-176 page
MC-TDID52-51304441-275	Related industrial automation product	View MC-TDID52-51304441-275 page
SC-UCMX01-51307195-175	Related industrial automation product	View SC-UCMX01-51307195-175 page

MANUFACTURER SOURCE RECORD

Honeywell Experion Series-C I/O Specification

EP03-490-520, Release 520, Version 1.5

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