

COMPLETE PRODUCT INFORMATION

IC695ALG600

Eight-channel Universal Analog Input Module

PRODUCT SNAPSHOT

BRAND

General Electric / Emerson

FAMILY

PACSystems RX3i I/O

MODEL

IC695ALG600

ROLE

Eight-channel Universal Analog
Input Module

APTER POWER SALES TEAM

WHATSAPP / PHONE +86 180 3023 5313

EMAIL sales13@apterpower.com

WEBSITE www.apterpower.com



IC695ALG600

Use this Apter Power document as a compact reading copy of the product page: overview, specifications, applications, field precautions, FAQ and related-series navigation.

[OPEN IC695ALG600 PRODUCT PAGE](#)

Technical specifications

MODULE ROLE

Universal analog input acquisition

RESISTANCE RANGES

0-250, 500, 1000, 2000, 3000 or 4000 ohm

INPUT CHANNELS

8 configurable channels in two groups of four

RTD FAMILIES

Pt 385/3916, Ni 618/672, NiFe 518 and Cu 426

SIGNAL CLASSES

Voltage, current, resistance, RTD and thermocouple

THERMOCOUPLES

B, C, E, J, K, N, R, S and T

CURRENT RANGES

0-20 mA, 4-20 mA and +/-20 mA

DIGITAL RESOLUTION

11 to 16 bits, selected by input configuration

VOLTAGE FAMILIES

Low-level mV and standard unipolar/bipolar voltage ranges

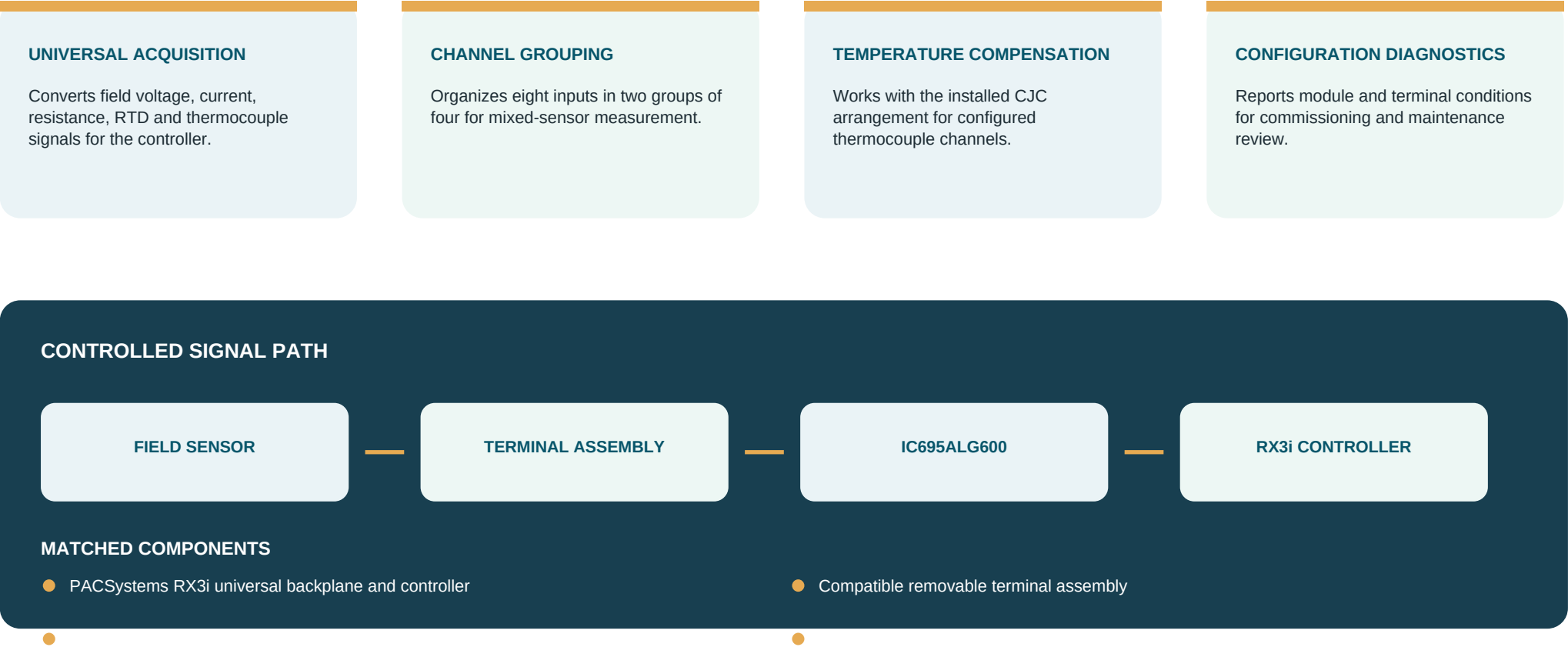
CJC SUPPORT

Two cold-junction-compensation channels

CONFIGURATION BOUNDARY

Configure every channel for the installed signal type, range, wiring and scaling. For three-wire RTD use, enable the approved lead-resistance-compensation setting before storing the hardware configuration.

Overview and system role



Applications and field verification

1

Mixed process measurement

Consolidates voltage, current and resistance-based measurements in one RX3i rack position.

2

RTD temperature acquisition

Connects supported RTD families with the project-defined wiring and compensation.

3

Thermocouple monitoring

Uses the approved terminal and CJC arrangement for configured thermocouple channels.

4

Current-loop instrumentation

Receives 0-20 mA, 4-20 mA or bipolar current signals from compatible transmitters.

MODEL-SPECIFIC ACCEPTANCE EVIDENCE

IDENTITY

Complete IC695ALG600 marking and revision recorded

TERMINAL

Assembly locked; keying and field labels match the drawing

CHANNEL SETUP

Input type, range, scaling and alarm action restored

COMPENSATION

CJC or RTD lead compensation matches the installed sensor

FUNCTIONAL PROOF

Representative values verified under controlled conditions

Precautions, FAQ and related series

ENGINEERING PRECAUTIONS

- 1 Confirm the complete model marking and hardware revision before replacement.
- 2 Isolate rack power and field signal energy before removing the terminal assembly or module.
- 3 Record channel assignments, input types, ranges, scaling and alarm behavior before service.
- 4 Preserve shield, grounding, polarity and sensor-lead routing for every connected channel.
- 5 Match CJC hardware to the installed thermocouple terminal arrangement.
- 6 For three-wire RTD channels, verify lead-resistance compensation before storing configuration.

MODEL-SPECIFIC FAQ

- Q1 What system hosts IC695ALG600?**
A PACSystems RX3i universal backplane and compatible RX3i controller configuration.
- Q2 How many inputs are provided?**
Eight universal analog input channels arranged in two groups of four.
- Q3 Which signal families are supported?**
Voltage, current, resistance, RTD and thermocouple inputs.
- Q4 Which current ranges are supported?**
0-20 mA, 4-20 mA and +/-20 mA configurations.

RELATED SERIES PRODUCTS ON APTER POWER

MODEL	SERIES ROLE	APTER POWER PAGE
IC695ALG312	RX3i thermocouple input module	Open product page
IC695ALG508	RX3i RTD input module	Open product page
IC695ALG616	RX3i analog input module	Open product page

MANUFACTURER SOURCE RECORD

Emerson IC695ALG600 Product Page - PACSystems RX3i Universal Analog Input Module

PACSystems RX3i I/O Data Sheet - 00813-0100-0135

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