SPECTRUM CONTROLS

Enhancing Your Rockwell Automation Control System

Spectrum Controls modules lower your costs and enhance your system capabilities. Mixing different signal types on a single ***Universal Analog*** card or putting more in your I/O rack with our ***High-Density*** modules, we help you win. If process is your game, our ***Isolated Analog*** and ***Analog with HART*** modules, are just the ticket! These are just a few of the advantages of using I/O from Spectrum Controls.

Our new ***Universal Industrial Gateway*** with 12 built-in protocols provides communications between Rockwell Automation products and other devices; allowing you to ***live the Connected Enterprise***. ***InView***, our full line of industrial LED message displays, are visible from up to 450 feet away and allow you to communicate critical production information in real time.

Encompass™ Product Partner

A ROCKWELL AUTOMATION PARTNER

Global

facebook.com/spectrumcontrolsinc

linkedin.com/company/spectrum-controls

youtube.com/user/spectrumcontrols

ControlTech

Authorized Distributor

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+420 321 742 026
www.controltech.cz

Universal Industrial Gateway

Free Tech Support
+1.425.746.9481

WP-G-222-P1
WP-G-222-P2
WP-G-242-P1
WP-G-242-P2

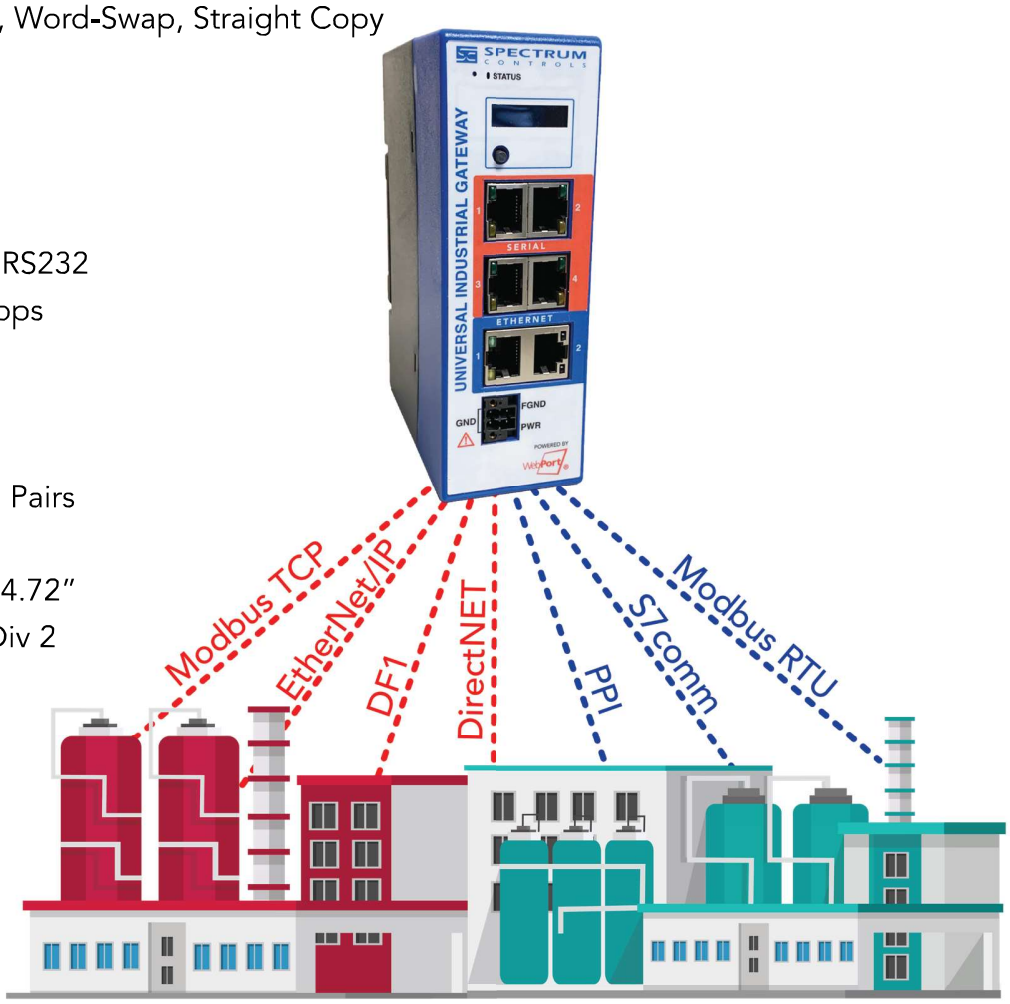
The Universal Industrial Gateway bridges communication gaps between Rockwell Automation & other Control Systems!

Read & Write Data Between Multiple Devices with Different Protocols

- Not just a one-to-one device
  - Any port to any port and any protocol to any protocol - all at the same time!
- No programming software to install or lose
  - **Built-in browser-based configuration**
- Built-in context-sensitive Help with step-by-step instructions
  - No searching for a lost programming manual
- Field upgradeable: more protocols and features coming
- Data Formatting: Byte-Swap, Word-Swap, Straight Copy

Specifications

- 2 Ethernet Ports
- 2 or 4 Isolated Serial Ports
  - Configurable for RS485 & RS232
  - Baud Rates up to 115.2 Kbps
- 8 or 12 Protocols
- 66 Protocol Combinations
- 5,000 Tag Pairs (max)
  - 50 Tag Maps with 100 Tag Pairs Per Map
- Dimensions: 3.07" x 1.89" x 4.72"
- RoHS, UL, cUL, CE; Class I, Div 2
- Input Voltage: 10-24 VDC



spectrumcontrols.com/gateway

Universal Industrial Gateway

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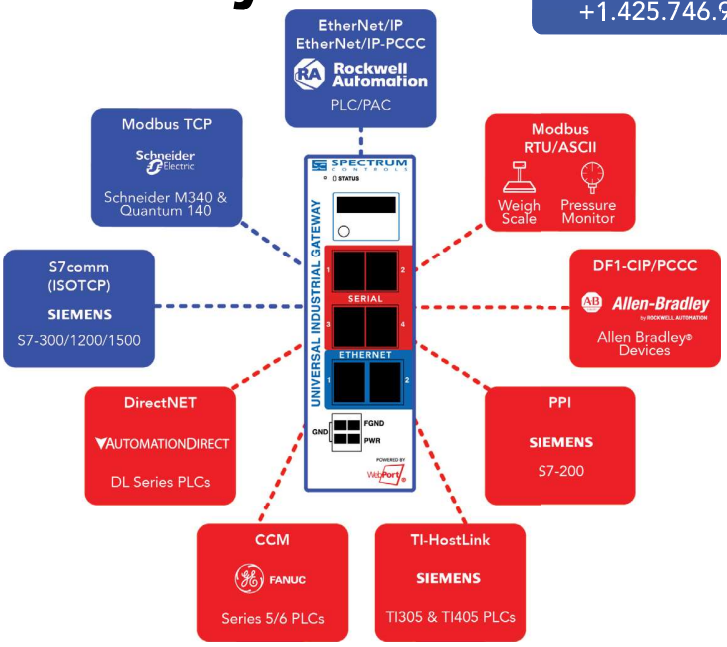


Catalog #	Serial Ports	Ethernet Ports	Protocols
WP-G-222-P1	**2**	**2**	EtherNet/IP, EtherNet/IP-PCCC, Modbus TCP, Modbus RTU, Modbus ASCII, DirectNET, CCM, TI-HostLink
WP-G-242-P1	**4**	**2**	EtherNet/IP, EtherNet/IP-PCCC, Modbus TCP, Modbus RTU, Modbus ASCII, DirectNET, CCM, TI-HostLink
WP-G-222-P2	**2**	**2**	EtherNet/IP, EtherNet/IP-PCCC, Modbus TCP, Modbus RTU, Modbus ASCII, DF1-PCCC, DF1-CIP, PPI, S7comm, DirectNET, CCM, TI-HostLink
WP-G-242-P2	**4**	**2**	EtherNet/IP, EtherNet/IP-PCCC, Modbus TCP, Modbus RTU, Modbus ASCII, DF1-PCCC, DF1-CIP, PPI, S7comm, DirectNET, CCM, TI-HostLink
WP-G-UPG-P2	-	-	Upgrade a -P1 model to a -P2 set of protocols *(Field Upgradeable)*

Universal Industrial Gateway Webinar

youtube.com/user/spectrumcontrols

spectrumcontrols.com/gateway

InView® Industrial LED Displays

Free RA TechConnect™ Support Included

2-Inch High Display

2706-P22R-SC (12" wide)

7-Inch High Display

2706-P72CN2-SC (36" wide)
2706-P72CN1-SC (36" wide)*
2706-P74CN2-SC (60" wide)
2706-P74CN1-SC (60" wide)*

4-Inch High Display

2706-P42R-SC (36" wide)
2706-P42C2-SC (36" wide)
2706-P44R-SC (72" wide)
2706-P44C2-SC (72" wide)

10-Inch High Display

2706-P92C2-SC (40" wide)
2706-P92C2X-SC (40" wide)*
2706-P94C2-SC (69" wide)
2706-P94C2X-SC (69" wide)*

Message Visibility From Up To 450 Feet Away!

- Vastly superior viewing angle than LCD & most LED displays
- Dynamic messaging, with the use of variables, for real-time information
- NEMA rated enclosures, purpose-built for the industrial environment
- Fully licensed Rockwell Automation technology

*NEMA 4X Stainless Steel Enclosures Available

InView® Communication Modules

Insanely Easy to Program!

- No programming software to install or lose
  - **Built-in, Easy & Intuitive browser-based programing**
- No searching for a lost programming manual
  - Built-in context-sensitive Help with step-by-step instructions
- Upgrade your old InView comms module!
- Supports: EtherNet/IP, EtherNet TCP/IP & Modbus TCP/IP

Preferred Compatibility with Allen-Bradley Controllers!

InView Communications Module Selection Guide

	2706-PENETP2-SC	2706-PENETM2-SC	2706-PENETM2C2-SC	2706-PENETK2-SC
P2 displays	✓	•	•	•
P4 displays	•	✓	•	•
P4xC2 displays	•	•	✓	•
P7 displays	•	•	•	✓
P9 displays	•	•	•	✓
EtherNet/IP	✓	✓	✓	✓
EtherNet TCP/IP	✓	✓	✓	✓
Modbus TCP/IP	✓	✓	✓	✓

spectrumcontrols.com/inview

PowerFlex® Cards
for 753 & 755 Drives

Free RA TechConnect™ Support Included

Rockwell Software CCW

8-Ch Universal Analog Input

20-750sc-8U

Combine up to 8 Different Analog Input Types & Reduce System Cost

- Each input channel individually selectable to any range:
  - Voltage: ±50 mV, ±100 mV, 0-5 V, 0-10 V, ±10 V
  - Current: 0-20 mA, 4-20 mA
  - Resistance: 0-150, 0-500, 0-1,000, 0-3,000Ω
  - RTD (3 or 4 wire): PT385/3916, Ni618/672, NiFe518, Cu427 (RTD uses channel pairs)
- 5 filter frequencies (channel-selectable) for fastest analog update times
- Full auto-calibration; on-board error checking
- Open circuit detection for most input types
- 250 VAC channel-to-chassis ground isolation; 10 VDC channel-to channel isolation
- Conformal Coated

4-Ch Analog Input + 4-Ch Analog Output

20-750-IF4XOF4-SC

4 Analog Inputs & 4 Analog Outputs, Saves Card Slots & Cost

- Each input or output channel individually selectable to any range:
  - Voltage: 0-5 V, 0-10 V, ±10 V
  - Current: 0-20 mA, 4-20 mA
- High Accuracy, 16 bit resolution increases your productivity!
- 6 filter frequencies (channel-selectable) for fastest analog update times
- Full auto-calibration; on-board error checking
- Open circuit detection for most input types
- 250 VAC channel-to-chassis ground isolation; 10 VDC channel-to channel isolation
- Conformal Coated

2080 Plug-In I/Os
for Micro800™

Free RA TechConnect™ Support Included

Rockwell Software CCW

MicroSD Memory with Real Time Clock

2080-SDMEMRTC-SC

- Real Time Clock Functionality
- MicroSD Memory card sizes 4, 8, 16 and 32 GB
- Data logging up to 10 MB of data per day
- Firmware update of the controller no longer requires carrying around a PC as the MicroSD card will complete this function
  - Commissioning new machines / replacing the controller is quick & easy
- Store up to 10 Recipe sets with 128 variables each, max. of 50 Recipes per set

4 Universal Analog Inputs

2080sc-IF4U

- Each input channel selectable to:
  - Current: 0-20 mA, 4-20 mA,
  - Voltage: ±50 mV, ±100 mV, 0-5 V, 0-10 V, ±10 V
  - Resistance: 0-100, 0-1,000, 0-3,000Ω
  - Thermocouple: J, K, T, E (cold junction compensated)
  - RTD (2, 3 or 4 wire): PT385/3916 100Ω/1,000Ω (1 input pair per 4 wire RTD)
- Channel-selectable filtering

4 Thermistor Analog Inputs

2080sc-NTC

- Four channels of thermistor/ resistance (2-wire resistance) inputs
- NTC thermistor support
- Fully linearized sensor data
- High accuracy, 16 bit resolution
- Channel-selectable filtering for fastest analog update time and noise rejection

BACNet Communications (Serial & Ethernet)

2080sc-BAC

- 1 Ethernet communications channel
- 1 serial communications channel
  - RS-485 or RS-232 configurable
- 5 standard BACnet objects supported
- Reduce system cost
- Improve energy efficiency
- Automate lighting control
- Add your machine into your building automaton system

2 High Current Relay Outputs

2080sc-OW2IHC

- 2-form A, Normally Open relays
- 10A at 0-30Vdc
- 10A at 120VAC or 250VAC
- Channel to channel isolated
- LED indicators show visual status of the relay state
- ***Use for high current loads without the need for interposing relays!***

2085 Expansion I/O
for Micro800™

Free RA TechConnect™ Support Included

Rockwell Software CCW

8-Ch Universal Analog Input

2085-sc-IF8U

- Current: 0 - 20 mA, 4 - 20 mA
- Voltage: ±50 mV, ±100 mV, 0 - 5 V, 0 - 10 V, ±10 V
- Resistance: 150, 500, 1,000 & 3,000 Ω
- Thermocouple: Type J, N, T, K, E, S, R, C, B
- RTD: Pt385, Pt3916, Ni618, Ni672, Cu 426 & NiFe 518
- Open circuit detection

8-Ch RTD Analog Input

2085-IR8-SC

- 8 channels of input:
  - RTD: 100, 200, 500, and 1,000 Ω Pt385 & Pt3916, 100 Ω Ni618, 120 Ni672, 10 Ω Cu 426, 604 Ω NiFe 518
  - Resistance: 0-150, 0-500, 0-1000 & 0-3000 Ω
- Open circuit detection

16-Ch High-Density Analog Input

2085sc-IF16C & 2085sc-IF16V

- *IF16C:* 0-20 mA, 4-20 mA
- *IF16V: 0-5 V, 0-10 V, ±10 V*
- High accuracy, 16 bit resolution
- Supports range alarms with latches
- Open circuit detection,
- Range scaling of input data in module

8-Ch High Density Analog Output

2085-sc-OF8

- 8 configurable outputs:
  - Current: 0-20 mA, 4-20 mA
  - Voltage: 0-5 V, 0-10 V, ±10 V

Supports range alarms with latches

- Open circuit detection,
- Range scaling of input data in module

32-Ch 24V Source/Sink Discrete Outputs

2085-OB32-SC (source)

2085-OV32-SC (sink)

- 0.5 Amps per output
- Report module status including brownout detection
- One LED indicator per point
- Highest density discrete outputs for Micro800™ controllers

8/16-Ch Thermocouple Analog Input

2085-IT8-SC

2085-IT16-SC

- 8 or 16 channels of input:
  - Voltage: ±50 mV, ±100 mV
  - Thermocouple: J, N, T, K, E, S, R, C, B
- High accuracy, 16 bit resolution
- Configurable open circuit detection
- Differential inputs provide 10 VDC of channel-to-channel isolation

4-Ch Analog Input & 4-Ch Analog Output Combo

2085-IF4XOF4-SC

- 4 inputs & 4 outputs all configurable to:
  - Current: 0-20 mA, 4-20 mA
  - Voltage: 0-5 V, 0-10 V, ±10 V
- Configurable open circuit/output fault detection
- Supports range alarms with latches
- High accuracy, 16 bit
- Great for PID loops

The Highest Density Analog Inputs & Outputs for Micro800™ Controllers

spectrumcontrols.com/2085

1734 Point I/O™

Free RA TechConnect™ Support Included

Rockwell Software Studio 5000

4-Ch Universal Analog Input

1734sc-IF4U

4 Universal Inputs Saves Cost

- 4 Analog, 3 Thermocouples or 2 RTDs; individually selectable
  - Voltage: ±50 mV, ±100 mV, 0-5 V, 1-5 V, 0-10 V, ±10 V
  - Current: 0-20 mA, 4-20 mA
  - Resistance: 0-3,000Ω
  - Thermocouple: J, K, T, E
  - RTD: 100/1000 Ω PT a 0.385/0.3916
- High accuracy, 18 bit resolution
- Channel-selectable filtering

2-Ch Isolated Analog Output + HART

1734sc-OE2CIH

HART COMMUNICATION PROTOCOL

HART Data to Drive Productivity!

- 2 isolated 4-20 mA with HART or...
- 2 isolated 0-20 mA without HART
- 16-bit resolution, 2/4-wire support
- Auto-scanning of HART variables (PV, SV, TV, FV)
- HART modem per-channel for maximum speed
- HART pass-through messaging
- Open circuit detect, fault reporting, 24 V fault protection & 50 VDC channel-channel Isolation
- DTM (Device Type Manager) enables your asset management software

2-Ch Analog Input + HART

1734sc-IE2CH

HART COMMUNICATION PROTOCOL

4-Ch Analog Input + HART

1734sc-IE4CH

HART COMMUNICATION PROTOCOL

Maximize System Performance by Combining Real-Time HART Data Acquisition With Standard Analog Control at a Fraction of the Cost!

- 2 or 4 channels of 4-20 mA analog + HART
- High accuracy, 16 bit resolution
- Acts as a HART master, allowing communication with HART field devices
- HART pass-through messaging
- Channel-selectable filtering for fastest analog update time and noise rejection
- User calibration and scaling if desired
- Fault reporting capability
- DTMs (Device Type Manager) enable your asset management software

1756 ControlLogix™

Free RA TechConnect™ Support Included

Rockwell Software Studio 5000

8-Ch Universal Analog Input

1756sc-IF8U

8 Universal Analog Inputs On a Single Card Saves Rack Space & Cost!

- Each input channel individually selectable to:
  - Voltage: ±50 mV, ±150 mV, 0-5 V, 1-5 V, 0-10 V, ±10 V
  - Current: 0-20 mA, 4-20 mA
  - Resistance: 250, 500, 1,000, 2,000, 3,000, 4,000Ω
  - RTD: PT385/3916, Ni618/672, NiFe518, Cu426
  - Thermocouple: J, K, T, B, E, R, S, N, C
- High Accuracy: 16 to 21 bits (filter dependent)
- User scaling, time stamping, and alarms

8-Ch AC Power Monitoring Input

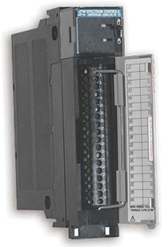
1756-RMS-SC

Monitor Power Usage to Reduce Energy Costs and Waste!

- 8 High Accuracy, (16 bit) Power Inputs:
  - 1 Current (CT), 1 Voltage (PT)
- Provides: real power, apparent power, reactive power, power factor, RMS voltage and RMS current
- 250 VAC: channel-pair-to-channel-pair isolation, channel-to-chassis ground
- Non-typical AC waveforms supported
- Monitor motor performance

32-Ch 48VDC Discrete Input

1756sc-IC32

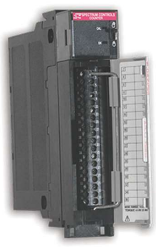


The <u>Only</u> High Density 48VDC Solution

- 32 channels of 48 Volt DC input
- 8 input channels per group
- Off/On selectable filtering for 0, 1, & 2ms
- On/Off selectable filtering for 0, 1, 2, 9, & 18ms
- Off/On Change-of-State Enable option per input point
- 250 Volts AC RMS continuous isolation from any channel to the backplane & channel to frame ground

8-Ch Counter/Flowmeter Input

1756sc-CTR8



High Density Counting = Lower Cost

- 8 incremental, 24-bit, single-ended counters, or
  - 4 pairs of up/down or quadrature counters
- Configure each input group as: 5, 12, or 24 VDC, or 50, 200 mVpp counters, or as turbine flow
- K factor scaling for turbine flowmeters
- Use for flowmeter proving requirements
- Count direction flags; start, stop, reset, & preset control
- 4 external counter enable lines for faster counter control

1794 FLEX™ I/O

Free RA TechConnect™ Support Included

Rockwell Software Studio 5000

8-Ch Universal Isolated Analog Input

1794sc-IF8IU

8 Universal Analog Inputs Lowers Your System Cost

- Each isolated input channel individually selectable to:
  - Current: 0-20 mA, 4-20 mA
  - Voltage: ±50 mV, ±100 mV, 0-5 V, 1-5 V, 0-10 V, ±10 V
  - Resistance: 0-150, 0-1,000, 0-3,000Ω
  - Thermocouple: J, K, T, B, E, R, S, N, C (Cold junction compensation included)
  - RTD (2, 3 or 4 wire): PT385/3916, Ni618/672, NiFe518, Cu426 (2 channels for 3 & 4 wire)
- 120 VAC channel-to-channel isolation
- High accuracy, 16 bit resolution
- Each channel provides open circuit detection, and high and low range alarms
- 6 channel-selectable filtering for fastest analog update time and noise rejection
- Easy to configure using ladder register settings or Studio 5000 programming software

8-Ch Isolated Thermocouple/RTD Input

1794sc-IRT8I

8 Temperature Sensing Inputs for High Accuracy Applications

- Each isolated input channel individually selectable to:
  - Resistance: 0-150, 0-1,000, 0-3,000Ω
  - Thermocouple: J, K, T, B, E, R, S, N, C (Cold junction compensation included)
  - RTD (2, 3 or 4 wire): PT385/3916, Ni618/672, NiFe518, Cu426 (2 channels for 3 & 4 wire)
- 120 VAC channel-to-channel isolation
- High accuracy, 16 bit resolution
- Each channel provides open circuit detection, and high and low range alarms
- 6 channel-selectable filtering for fastest analog update time and noise rejection
- Easy to configure using ladder register settings or Studio 5000 programming software

1762 MicroLogix™ I/O

Free RA TechConnect™ Support Included

Rockwell Software RSLogix 500

4-Ch Analog Input + 4-Ch Analog Output

1762sc-IF4OF4

The Highest Density Analog Inputs & Outputs for MicroLogix Controllers

4 Analog Inputs & 4 Analog Outputs, Saves Slots & Cost

- 2 current only (0-20 mA, 4-20 mA) analog inputs ***AND***
- 2 Universal analog inputs individually selectable to:
  - Current: 0-20 mA, 4-20 mA
  - Voltage: 0-5 V, 1-5 V, 0-10 V, ±10 V
  - Thermocouple: J, K, E, T (with cold junction compensation)
- 4 analog outputs individually selectable to:
  - Current: 0-20 mA, 4-20 mA
  - Voltage: 0-5 V, 1-5 V, 0-10 V, ±10 V
- High accuracy, 16 bit resolution
- Channel-selectable filtering for maximum speed with minimum noise
- For Allen-Bradley MicroLogix 1100 and 1200 systems
- Easy to configure using ladder register settings or RSLogix programming software

8-Ch Universal Analog Input

1762sc-IF8U

8 Universal Inputs Lowers System Cost

- Each input channel individually selectable to:
  - Voltage: ±50 mV, ±100 mV, 0-5 V, 1-5 V, 0-10 V, ±10 V
  - Current: 0-20 mA, 4-20 mA
  - Resistance: 0-150, 0-1,000, 0-3,000Ω
  - Thermocouple: J, K, T, B, E, R, S, N, C (cold junction compensation uses 1 channel)
  - RTD (2, 3 or 4-wire): PT385/3916, Ni618/672, NiFe518, Cu426 (2 channels for 3 & 4 wire)
- High accuracy, 16 bit resolution
- Channel-selectable filtering
- Easy to configure using ladder register settings or RSLogix programming software

8-Ch Analog Output

1762sc-OF8

THE High Density Analog Output Solution!

- ***Lowest cost per analog output***
- Each output individually selectable to:
  - Current: 0-20 mA, 4-20 mA
  - Voltage: 0-5 V, 1-5 V, 0-10 V, ±10 V
- High accuracy, 16 bit resolution
- Perfect fit for high I/O count analog output applications
- Easy to configure using ladder register settings or RSLogix programming software

1769 Compact I/O

Free RA TechConnect™ Support Included

Studio 5000

RSLogix 500

6-Ch Isolated RTD/Resistance Input

1769sc-IR6I

*1769sc-IR6I-K**

- 6 **Isolated** inputs individually selectable to:
  - Resistance: 0-150, 0-500, 0-1,000, 0-3,000Ω
  - RTD (2, 3 or 4-wire): 100, 200, 500 &1,000Ω, PT385/3916, 100Ω Ni618, 120Ω Ni672, 604Ω NiFe518, 10Ω Cu426
- 6 filter frequencies (individually selectable by channel) for fastest update times and noise rejection
- Open circuit detect & individually programmable high and low alarms for each channel
- High accuracy, 16 bit resolution

**** Now Available – Conformal Coating on all 1769!***

6-Ch Isolated Thermocouple Input

1769sc-IT6I

*1769sc-IT6I-K**

The Only Isolated RTD or Thermocouple Solutions for CompactLogix®

- 6 **Isolated** inputs individually selectable to:
  - Voltage: ±50 mV, ±100 mV
  - Thermocouple: J, K, T, E, R, B, S, N, C, L
- Built-in cold thermocouple junction compensation
- 6 filter frequencies (individually selectable by channel) for fastest update times and noise rejection
- Open circuit detect & individually programmable high and low alarms for each channel
- High accuracy, 16 bit resolution
- 125 VAC isolation: channel-to-channel, field-wiring-to-backplane & field-wiring-to-chassis-ground

8-Ch Universal Analog Input

1769sc-IF8U

*1769sc-IF8U-K**

8 Universal Inputs for Lowest Cost

- Each channel individually selectable to:
  - Voltage: ±50 mV, ±100 mV, 0-5 V, 1-5 V, 0-10 V, ±10 V
  - Current: 0-20 mA, 4-20 mA
  - Resistance: 0-150, 0-1,000, 0-3,000Ω
  - RTD: PT385/3916, Ni618/672, NiFe518, Cu426 (2 channels pairs for 3 or 4 wire)
  - Thermocouple: J, K, T, B, E, R, S, N, C
  - Channel-selectable filtering

4-Ch Analog Input + HART

1769sc-IF4IH

*1769sc-IF4IH-K**

HART COMMUNICATION PROTOCOL

4-Ch Analog Output + HART

1769sc-OF4IH

*1769sc-OF4IH-K**

HART COMMUNICATION PROTOCOL

The Only HART Solutions for CompactLogix®

Common specifications...

- **Isolated analog inputs/outputs**
- Each channel selectable to:
  - 4-20 mA with HART
  - 0-20 mA without HART
  - Voltage: 0-5 V, 1-5 V, 0-10 V, ±10 V without HART
- HART PV, SV, TV, FV
- Acts as a HART master, allowing communication with HART field devices
- HART modem per-channel for maximum speed
- HART pass-through messaging
- 710 VDC isolation channel-to-channel

1746 SLC™ 500

Free RA TechConnect™ Support Included

Rockwell Software RSLogix 500

8-Ch Universal Analog Input

1746sc-NI8U

- Selectable ranges:
  - Voltage: ±50 mV, ±100 mV, ±0.5 V ±2.0 V 0-5 V, 1-5 V, 0-10 V, ±10 V
  - Current: 0-20 mA, 4-20 mA
  - Resistance: 0-3,000Ω
  - Thermocouple: J, K, T, B, E, R, S, N, C
  - RTD: PT385/3916, Ni618/672, Cu426

8-Ch Isolated, 74 to 276 VAC Triac Output

1746sc-OAP8I

- 1,500 V output-to-output isolation allows mixing phases and control voltages on one module
- Each circuit is individually protected, and provides a 'fuse blown' indication to the SLC 500™, identifying which fuse has opened
- Completely solid-state with no relays to fail

4-Ch Counter/Flowmeter

1746sc-CTR4

- 4 incremental, single-ended counters or up to two pairs for up/down or quadrature counters
- Configure each input group as 5, 12, or 24 VDC counters, or as turbine flow (Variable Reluctance Coil) AC inputs.
- Counter Speed: 0 Hz to 50 kHz
- Includes scaling K factor for turbine flowmeters
- Use for flowmeter proving requirements

8-Ch Counter/Flowmeter

1746sc-CTR8

- 8 incremental, single-ended counters or up to four pairs for up/down or quadrature counters
- Configure each input group as 5, 12, or 24 VDC counters, or as turbine flow (Variable Reluctance Coil) AC inputs.
- Counter Speed: 0 Hz to 50 kHz
- Includes scaling K factor for turbine flowmeters
- Use for flowmeter proving requirements

4-Ch Isolated Analog Input (V/C)

1746sc-INI4VI

- 4 isolated analog inputs individually selectable to:
  - Current: 0-20 mA, 4-20 mA
  - Voltage: 0-5 V, 1-5 V, 0-10 V, ±10 V
- High accuracy, 16 bit resolution
- Easy to configure using ladder register settings or RSLogix programming software

4-Ch Isolated Analog Input (C)

1746sc-INI4I

- 4 isolated analog inputs individually selectable to:
  - Current: 0-20 mA, 4-20 mA
- High accuracy, 16 bit resolution
- Easy to configure using ladder register settings or RSLogix programming software

4-Ch Isolated Analog Output (V/C)

1746sc-INO4VI

- 4 isolated analog inputs individually selectable to:
  - Current: 0-20 mA, 0-21 mA, 4-20 mA
  - Voltage: 0-5 V, 1-5 V, 0-10 V, ±10 V
- High accuracy, 16 bit resolution
- Easy to configure using ladder register settings or RSLogix programming software

4-Ch Isolated Analog Output (C)

1746sc-INO4I

- 4 isolated analog inputs individually selectable to:
  - Current: 0-20 mA, 0-21 mA, 4-20 mA
- Use any combination of input types at one time
- High accuracy, 16 bit resolution
- Easy to configure using ladder register settings or RSLogix programming software