## ⬊ Software

| | |
|---|---|
| PAC Project Basic | SNAP PAC System software suite: PAC Control Basic, PAC Display Basic, PAC Manager |
| PAC Project Professional | SNAP PAC System software suite: PAC Control Pro, PAC Display Pro, PAC Manager, OptoOPCServer, OptoDataLink |
| PAC Control Professional | Control strategy development software |
| PAC Display Professional | Operator interface (HMI) development software |
| OptoOPCServer | OPC 2.0 communication software |
| OptoDataLink | Database connectivity software |
| PAC Manager | Controller and brain configuration software |

## ⬊ SNAP PAC Controllers

| | |
|---|---|
| SNAP-PAC-S1** | Programmable automation controller (PAC) for Ethernet networks; standalone |
| SNAP-PAC-S1-W | Wired+Wireless PAC for Ethernet networks; standalone |
| SNAP-PAC-S2 | Programmable automation controller with four serial ports; standalone |
| SNAP-PAC-S2-W | Wired+Wireless PAC with four serial ports; standalone |
| SNAP-PAC-R1** | Programmable automation controller, on the rack, with high-speed digital |
| SNAP-PAC-R1-B | Programmable automation controller for B-series rack, with high-speed digital |
| SNAP-PAC-R1-W | Wired+Wireless PAC, on the rack, with high-speed digital |
| SNAP-PAC-R2** | Programmable automation controller, on the rack, no high-speed digital |
| SNAP-PAC-R2-W | Wired+Wireless PAC, on the rack, no high-speed digital |
| SNAP-PAC-ROK | SNAP PAC Redundancy Option Kit |
| SOFTPAC | Software-based programmable automation controller |

## ⬊ SNAP PAC Brains

| | |
|---|---|
| SNAP-PAC-EB1** | Analog/digital/serial Ethernet brain, with high-speed digital |
| SNAP-PAC-EB1-W | Wired+Wireless analog/digital/serial Ethernet brain, high-speed digital |
| SNAP-PAC-EB2** | Analog/simple digital/serial Ethernet brain, no high-speed digital |
| SNAP-PAC-EB2-W | Wired+Wireless analog/simple digital/serial Ethernet brain, no high-speed digital |
| SNAP-PAC-SB1 | Analog/digital/serial brain for serial networks, with high-speed digital |
| SNAP-PAC-SB2 | Analog/simple digital/serial brain for serial networks, no high-speed digital |

## ⬊ SNAP PAC Racks

| | |
|---|---|
| SNAP-PAC-RCK4** | 4-module analog/digital/serial mounting rack |
| SNAP-PAC-RCK8** | 8-module analog/digital/serial mounting rack |
| SNAP-PAC-RCK12** | 12-module analog/digital/serial mounting rack |
| SNAP-PAC-RCK16** | 16-module analog/digital/serial mounting rack |

*Factory Mutual approved
**Factory Mutual-approved version available

## ⬊ SNAP Analog Input Modules

| | |
|---|---|
| SNAP-AIARMS* | 2-channel analog current input, 0–10 amp RMS AC/DC |
| SNAP-AIARMS-i** | 2-channel isolated analog current input, 0–10 amp RMS AC/DC |
| SNAP-AICTD* | 2-channel analog temperature input, ICTD |
| SNAP-AICTD-4* | 4-channel analog temperature input, ICTD |
| SNAP-AICTD-8 | 8-channel analog temperature input, ICTD |
| SNAP-AILC | Load cell input, 10 VDC excitation, 2 or 3 mV/V input sensitivity |
| SNAP-AILC-2 | Load cell input, 10 VDC excitation, 3 or 4 mV/V input sensitivity |
| SNAP-AIMA* | 2-channel analog current input, −20 mA to +20 mA |
| SNAP-AIMA-i* | 2-channel isolated analog current input, −20 mA to +20 mA |
| SNAP-AIMA-4* | 4-channel analog current input, −20 mA to +20 mA |
| SNAP-AIMA-8 | 8-channel analog current input, −20 mA to +20 mA |
| SNAP-AIMA-32** | 32-channel analog current input, −20 mA to +20 mA |
| SNAP-AIMA-iSRC** | 2-channel isolated analog current input, −20 mA to +20 mA, with loop sourcing |
| SNAP-AIMA2-i | 2-channel isolated analog current input, −1.0 mA to +1.0 mA |
| SNAP-AIMA-iH | 2-channel isolated analog current input, HART communication, 4–20 mA |
| SNAP-AIMV-4* | 4-channel analog current input, −150 mV to +150 mV or −75 mV to +75 mV |
| SNAP-AIMV2-4* | 4-channel analog current input, −50 mV to +50 mV or −25 mV to +25 mV |
| SNAP-AIR40K-4* | 4-channel analog thermistor input, 0–40,000 Ohm |
| SNAP-AIR400K-8 | 8-channel analog resistor/thermistor input, 400,000 Ohms |
| SNAP-AIRATE* | 2-channel analog rate input, 0–25,000 Hz |
| SNAP-AIRATE-HFi | 2-channel analog rate input, 2 Hz to 500 kHz |
| SNAP-AIRTD* | 2-channel analog RTD input, 100 Ohm platinum |
| SNAP-AIRTD-1K | 2-channel analog RTD input, 1000 Ohm platinum |
| SNAP-AIRTD-10 | 2-channel analog RTD input, 10 Ohm copper |
| SNAP-AIRTD-8U | 8-channel multifunction RTD/resistance input |
| SNAP-AITM* | 2-channel analog input, type E, J, or K thermocouple or +/-150 mV or +/-75 mV |
| SNAP-AITM-i* | 2-channel isolated input, type E, J, or K thermocouple or +/-150 mV or +/-75 mV |
| SNAP-AITM-2* | 2-channel analog input, type B, C, D, G, N, T, R, or S thermocouple |
| SNAP-AITM-8** | 8-channel input, type B, C, E, G, J, K, N, R, S, or T thermocouple or +/-75 mV, +/-50 mV, or +/-25 mV |
| SNAP-AITM2-i* | 2-channel isolated input, type B, C, D, G, N, T, R, or S thermocouple or +/-50 mV or +/-25 mV |
| SNAP-AITM-4i | 4-channel isolated input, type B, C, E, G, J, K, N, R, S, or T thermocouple or +/-150 mV, +/-75 mV, +/-50 mV, or +/-25 mV |
| SNAP-AIV* | 2-channel analog voltage input, −10 VDC to +10 VDC |
| SNAP-AIV-i* | 2-channel isolated analog voltage input, −10 VDC to +10 VDC |
| SNAP-AIV2-i | 2-channel isolated analog voltage input, −100 VDC to +100 VDC |
| SNAP-AIV-4* | 4-channel analog voltage input, −10 VDC to +10 VDC |
| SNAP-AIV-8 | 8-channel analog voltage input, −10 VDC to +10 VDC |
| SNAP-AIV-32** | 32-channel analog voltage input, −10 VDC to +10 VDC |
| SNAP-AIV-72 | Single-channel, dual range analog voltage input |
| SNAP-AIVRMS* | 2-channel analog voltage input, 0–250 V RMS AC/DC |
| SNAP-AIVRMS-i** | 2-channel isolated analog voltage input, 0–250 V RMS AC/DC |
| SNAP-pH/ORP | 2-channel isolated high-impedance analog input, −1.0 VDC to +1.0 VDC and −0.5 VDC to +0.5 VDC |
| SNAP-AIPM | Single-phase power monitoring, 0–250 V RMS and 0–10 amp RMS inputs |
| SNAP-AIPM-3 | Three-phase power monitoring, 0–250 V RMS and 0–10 amp RMS inputs |
| SNAP-AIPM-3V | Three-phase power monitoring, 0–250 V RMS and 0–333 mV CT inputs |

## ⬊ SNAP Analog Output Modules

| | |
|---|---|
| SNAP-AOA-23* | 2-channel analog current loop output, 4–20 mA |
| SNAP-AOA-23-iSRC** | 2-channel isolated analog current loop output, 4–20 mA, with loop sourcing |
| SNAP-AOA-23-iH | 2-channel isolated analog current output, HART communication, 4–20 mA |
| SNAP-AOA-28* | 2-channel analog current loop output, 0–20 mA |
| SNAP-AOV-25* | 2-channel analog voltage output, 0 to +10 VDC |
| SNAP-AOV-27* | 2-channel analog voltage output, –10 to +10 VDC |
| SNAP-AOD-29* | 2-channel analog time-proportional digital output, 5–60 VDC |
| SNAP-AOD-29-HFi | 2-channel analog time-proportional digital output, 2.5 to 24 VDC, 0–100 kHz |
| SNAP-AOVA-8 | 8-channel analog multifunction output, voltage or current |

## ⬊ SNAP 4-Channel Digital Input Modules

*All 4-channel digital input modules are channel-to-channel isolated.*

| | |
|---|---|
| SNAP-IAC5** | 4-channel digital input, 90–140 VAC/VDC, 5 VDC logic |
| SNAP-IAC5MA | 4-channel digital input, 90–140 VAC/VDC, manual/auto switches |
| SNAP-IAC5A** | 4-channel digital input, 180–280 VAC/VDC, 5 VDC logic |
| SNAP-IDC5** | 4-channel digital input, 10–32 VAC/VDC, 5 VDC logic |
| SNAP-IDC5MA | 4-channel digital input, 10–32 VAC/VDC, manual/auto switches |
| SNAP-IDC5D** | 4-channel digital input, 2.5–28 VDC, 5 VDC logic |
| SNAP-IDC5-FAST* | 4-channel digital input, 2.5–16 VDC, 5 VDC logic, high-speed |
| SNAP-IDC5-FAST-A | 4-channel digital input, 18–32 VDC, 5 VDC logic, high-speed |
| SNAP-IDC5G | 4-channel digital input, 35–75 VAC/VDC, 5 VDC logic |
| SNAP-IDC5-HT | 4-channel digital input, 15–32 VDC, leakage-tolerant |
| SNAP-IDC5-SW* | 4-channel digital input, self-powering, normally open |
| SNAP-IDC5-SW-NC | 4-channel digital input, self-powering, normally closed |
| SNAP-IDC5Q* | 2-axis quadrature position input, 4–24 VDC |

## ⬊ SNAP High-Density Digital Modules

| | |
|---|---|
| SNAP-IAC-16 | 16-channel isolated 90–140 VAC/VDC input |
| SNAP-IAC-A-16 | 16-channel isolated 180–280 VAC/VDC input |
| SNAP-IAC-K-16 | 16-channel isolated 70-130 VAC/VDC input |
| SNAP-IDC-16 | 16-channel isolated 10–32 VDC/VAC input |
| SNAP-IDC-HT-16 | 16-channel isolated 15–28 VDC/VAC input, leakage-tolerant |
| SNAP-IDC-32** | 32-channel, 10–32 VDC input |
| SNAP-IDC-32N | 32-channel, -10 to -32 VDC input, with positive common connections |
| SNAP-IDC-32D | 32-channel, 2.5–12 VDC input |
| SNAP-IDC-32DN | 32-channel, -2.5 to -12 VDC input, with positive common connections |
| SNAP-ODC-32-SRC** | 32-channel, 5–60 VDC output, load sourcing |
| SNAP-ODC-32-SNK** | 32-channel, 5–60 VDC output, load sinking |

## ⬊ SNAP Digital Output Modules

| | |
|---|---|
| SNAP-OAC5** | 4-channel digital output, 12–250 VAC, 5 VDC logic |
| SNAP-OAC5-i** | 4-channel isolated digital output, 12–250 VAC, 5 VDC logic |
| SNAP-OAC5MA | 4-channel isolated digital output, 12–250 VAC, manual/auto switches |
| SNAP-ODC5SRC** | 4-channel digital output, 5–60 VDC, 5 VDC logic source |
| SNAP-ODC5SNK** | 4-channel digital output, 5–60 VDC, 5 VDC logic sink |
| SNAP-ODC5ASNK | 4-channel digital output, 5–200 VDC, 5 VDC logic sink |
| SNAP-ODC5R** | 4-channel isolated dry contact output, 0–100 VDC or 0–130 VAC, normally open |
| SNAP-ODC5R5** | 4-channel isolated dry contact output, 0–100 VDC or 0–130 VAC, normally closed |
| SNAP-ODC5-i** | 4-channel isolated digital output, 5–60 VDC, 5 VDC logic |
| SNAP-ODC5MA | 4-channel isolated digital output, 5–60 VDC, manual/auto switches |
| SNAP-ODC5A-i** | 4-channel isolated digital output, 5–200 VDC, 5 VDC logic |
| SNAP-OMR6T-C | 4-channel isolated mechanical relay output, 250 VAC or 30 VDC, 6 A, form C, with integrated transient suppression |
| SNAP-OMR6-C | 4-channel isolated mechanical relay output, 250 VAC or 30 VDC, 6 A, form C |

## ⬊ SNAP Serial Modules

| | |
|---|---|
| SNAP-SCM-232* | 2-channel RS-232 serial communication |
| SNAP-SCM-485-422 | 2-channel RS-485/422 serial communication |
| SNAP-SCM-CAN2B | Controller Area Network (CAN) communication module |
| SNAP-SCM-MCH16 | SNAP motion control host communication module |
| SNAP-SCM-PROFI | Profibus® serial interface |
| SNAP-SCM-SSI | 2-channel SNAP SSI (Serial Synchronous Interface) module |
| SNAP-SCM-ST2 | 2-channel pulse and direction signals communication module |
| SNAP-SCM-W2 | 2-channel Wiegand® serial interface |

## ⬊ SNAP Power Supplies

| | |
|---|---|
| SNAP-PS5* | 5 VDC @ 4 amp, 120 VAC input |
| SNAP-PS5-24DC* | 5 VDC @ 4 amp, 24 VDC input |
| SNAP-PS5U | 5 VDC @ 5 amp, 100–250 VAC input |
| SNAP-PS24* | 24 VDC @ 0.75 amp, 120 VAC input |
| SNAP-PS24U | 24 VDC @ 1.25 amp, 100–250 VAC input |

*Factory Mutual approved
**Factory Mutual-approved version available

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