

Automation Products Parts List Modicon® Compact™ PLC

The Compact™ is a high performance, mid-range, modular PLC, supporting from 16K to 1M user logic and up to 64K Registers. Total words for I/O for the Compact are up to 512 in and 512 out. Extended temperature (-40 to +70^{deg} C) and conformally coated models are available. Remote I/O is supported on all 386 based models.

Conformal Coating: For applications in harsh environments, select Compact products are available at additional cost with Conformal coating by adding a "C" to the end of the part number. Contact your local Square D office or distributor for specific pricing.

Note 1: Concept v2.1 or ProWORX Nxt® 2.0 or higher is required to program noted controllers

Compact 984-120 Controllers

- PC-E984-255 186 based Compact Controller, 16K User Logic, 2K Registers, 24K Ext. Registers, 1 Modbus, 1 Modbus Plus, 2.5ms/K
- PC-E984-258 386 based Compact Controller, 512K Memory, 256 I/O Words, 2 Modbus® Ports, Extended Temp. (Note 1)
- PC-E984-265 386 based Compact Controller, 512K Memory, 128 I/O Words, 2 Modbus Ports, Modbus Plus Port (Note 1)
- PC-E984-275 386 based Compact Controller, 512K Memory, 256 I/O Words, 2 Modbus Ports, Modbus Plus® Port, read/Write PCMCIA card available. (Note 1)
- PC-E984-285 386 based Compact Controller, 1M Memory, 512 I/O Words, 2 Modbus Ports, Modbus Plus Port, Extended Temp, read/Write PCMCIA card available. (Note 1)

COMPACT® 984-120 Power Supplies

- AS-P120-000 Compact 984 Power Supply AC, 105...240 VAC in, 24 VDC @1 Amp out
- AS-P120-125 Compact DC Power Supply, 105...150 VDC in, 24 VDC @ 1.5 Amp out
- AS-P120-250 Compact 984 Universal Power Supply AC, 90 to 264 VAC input, 2 amp 24 VDC output, extended temperature, CE approved, single width module
- AS-P120-250C Conformal Coated version of AS-P120-250

Compact® 984-120 RTU Power Supplies

RTU power supplies enable a system engineer to design a remote RTU application using a PLC base solution with off-the-shelf components that are supported worldwide. Available for 12 VDC or 48/60 VDC battery backup, these double width power supplies enable a complete Compact RTU system for remote, harsh environment operation where primary power may be interrupted and continuous operation is necessary. In the event of a primary power outage, the Compact system continues to operate on the user supplied battery(ies). Note: Battery operation time is dependent upon Compact system power requirement and the capacity of the user supplied battery.

- AS-PRTU-252 Compact 984 Power Supply AC, 90 to 264 VAC input, 2 amp 24 VDC output, 12 VDC battery back up, extended temperature, and double wide module.
- AS-PRTU-252C Conformal Coated version of AS-PRTU-250
- AS-PRTU-258 Compact 984 Power Supply AC, 90 to 264 VAC input, 2 amp 24 VDC output, 30 to 60 VDC battery back up, extended temperature, double wide module
- AS-PRTU-258C Conformal Coated version of AS-PRTU-258



Compact 984-120 Controller Accessories

The EEPROM cards listed below can be used to store, backup and transfer programs to the Compact PLC.

- AS-MEEP-000 Compact 984 32K Byte EEPROM memory card
- AS-MEEP-001 Compact 984 8K Byte EEPROM memory card
- AS-FLSH-004 4 Megabyte PCMCIA type II memory card for 386 based CPUs
- AS-FLSH-004C 4 Megabyte PCMCIA type II memory card w/conformal coating for 386 based CPUs
- AS-BM0T-201 Motion Module (Encoder only)
- AS-BM0T-202 Motion Module for Compact PLC with Encoder/Resolver interfaces

Compact 984-120 Cables

- AS-W951-012 Cable, Compact Programming, IBM PC-XT 25 pin RS-232 Connector to 9 pin Connector, 3.6 m, 12 ft.
- AS-W952-012 Cable, Compact Programming, IBM PC-AT 9 pin RS-232 Connector to 9 pin Connector, 3.6 m, 12 ft.
- 110XCA20300 RJ45 to DB9 Programming Cable Adapter
- 110XCA20400 RJ45 to DB25 Programming Cable Adapter
- 110XCA28201 RJ45 to RJ45 Programming Cable - 3 ft. (1m)
- 110XCA28202 RJ45 to RJ45 Programming Cable - 10 ft. (3m)
- 110XCA28203 RJ45 to RJ45 Programming Cable - 20 ft. (6m)
- AS-W955-012 Cable, 984-x8x/IBM PC/XT Programmer, 3.6 m, 12 ft.
- AS-W955-025 Cable, 984-x8x/IBM PC/XT Programmer, 7.6 m, 25 ft.
- AS-W956-012 Cable, 984-x8x/IBM PC/AT Programmer, 3.6 m, 12 ft.
- AS-W956-025 Cable, 984-x8x/IBM PC/AT Programmer, 7.6 m, 25 ft.

A120 SERIES I/O Racks and Subracks

- AS-HDTA-200 Compact Primary Rack for CPU and 3 I/O Modules
- AS-HDTA-201 Compact Sub-rack with 5 I/O Modules
- AS-HDTA-202 Compact Sub-rack with 2 I/O Modules, must be the last rack
- AS-HDTA-203 Double wide module mounting rack, rail or panel
- AS-WBXT-201 Compact Sub-rack Bus Extension Cable

A120 SERIES I/O Discrete Input Modules

Note 2: These modules only work with the PC-(A or E)984-xxx controllers

Note 3: Also, several modules require a loadable software driver to operate all 186 based CPUs, part # SW-IODR-001, ordered separately – no charge

Modicon Compact PLC

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| AS-BDEP-208 | 8 Point, 230 VAC Input Module, Isolated | |
| AS-BDEP-210 | 8 Point, 115 VAC Input Module, TRUE HIGH | |
| AS-BDEP-211 | 8 Point, 120 VAC Input Module, Individually Isolated | (Note 3) |
| AS-BDEP-214 | 16 Point, 12-60 VDC Input Module, Isolated | (Note 3) |
| AS-BDEP-215 | 16 Point, 5 VDC TTL, TRUE LOW | |
| AS-BDEP-216 | 16 Point, 24 VDC Input Module, TRUE HIGH | |
| AS-BDEP-217 | 16 Point, 24 VDC Input Module, TRUE LOW | (Note 3) |
| AS-BDEP-218 | 16 Point, 120 VAC Input Module, Isolated | (Note 2) |
| AS-BDEP-220 | 16 Point, 24 VDC Input Module, Isolated, Fast Response | |
| AS-BDEP-254 | 16 Point, 12...60 VDC, TRUE HIGH | |
| AS-BDEP-254C | 16 Point, 12...60 VDC, TRUE HIGH Conformally Coated | |
| AS-BDEP-256 | 16 Point, 24 VDC Input Module, Isolated, Extended Temp. (-40 to 70 deg. C) | |
| AS-BDEP-256C | 16 Point, 24 VDC Input Module, Isolated, Extended Temp. (-40 to 70 deg. C) Conformally Coated | |
| AS-BDEP-257 | 16 Point, 120 VAC Input Module, Isolated, Extended Temp. (-40 to 70 deg. C) | |
| AS-BDEP-257C | 16 Point, 120 VAC Input Module, Isolated, Extended Temp. (-40 to 70 deg. C) Conformally Coated | |

A120 SERIES I/O Discrete Output Modules

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|--------------|--|--|
| AS-BDAP-208 | 8 Point, Relay @ 2 A Output Module, 24-110 VDC/24-230 VAC | |
| AS-BDAP-210 | 8 Point, 24-120 VAC (VDE) TO 230 VAC @ 1 A Output Module, Isolated | |
| AS-BDAP-217 | 16 Point, 5-24 VDC @ 0.3 A Output Module, Isolated, True Low | |
| AS-BDAP216N | A120 IO DC OUT 16PT 24VDC | |
| AS-BDAP-218 | 16 Point, 24-120 VAC (VDE) TO 230 VAC @ 0.5 A Output Module, Isolated | |
| AS-BDAP-258 | 8 Point, Relay @ 2 A Output Module, 24-110 VDC/24-230 VAC Extended Temperature (-40 to 70 deg. C) | |
| AS-BDAP-258C | 8 Point, Relay @ 2 A Output Module, 24-110 VDC/24-230 VAC Extended Temperature (-40 to 70 deg. C) Conformally Coated | |
| AS-BDA0216 | 24VDC non-isolated OUT 16PT | |

A120 SERIES I/O Discrete Combination Modules

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| AS-BDAP-212 | 8 Point, 24 VDC Input, Isolated/4 Point Relay @ 2A Output Module | |
| AS-BDAP-220 | 8 Point, 24 VDC Input/8 Point 24 VDC @ 2A Output Module | |
| AS-BDAP-250 | 8 Point, 24 VDC Input/8 Point 24 VDC @ 2A Output Module Extended Temp. (-40 to 70 deg. C) | |

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| AS-BDAP-250C | 8 Point, 24 VDC Input/8 Point 24 VDC @ 2A Output Module Extended Temp. (-40 to 70 deg. C) Conformally Coated |
| AS-BDAP-252 | 8 Point, 24 VDC Input, Isolated/4 Point Relay @ 2A Isolated Output Module, Extended Temp. (-40 to 70 deg. C) |
| AS-BDAP-252C | 8 Point, 24 VDC Input, Isolated/4 Point Relay @ 2A Isolated Output Module, Extended Temp. (-40 to 70 deg. C) Conformally Coated |
| AS-BDAP-253 | 8 Point, 66-154 VDC Input, Isolated/4 Point Relay @ 2A Isolated Output Module, Extended Temp. (-40 to 70 deg. C) |
| AS-BDAP-253C | 8 Point, 66-154 VDC Input, Isolated/4 Point Relay @ 2A Isolated Output Module, Extended Temp. (-40 to 70 deg. C) Conformally Coated |

A120 SERIES I/O Analog Input Modules

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|--------------|--|
| AS-BADU-204 | ANALOG - 4 four-pole RTDs or 8 two-pole voltage sensors, 12 BIT + SIGN |
| AS-BADU-205 | ANALOG - 4 INPUTS, +/- 10 V, +/-20mA MODULE, 12 BIT + SIGN, NON-ISOLATED |
| AS-BADU-206 | ANALOG - 4 INPUTS, +/- 10 V, +/-20mA MODULE, 11 BIT + SIGN, Bus Isolated |
| AS-BADU-210 | Isolated Analog - 4 INPUTS, +/- 10 V, +/-20mA MODULE, 15 BIT + SIGN, |
| AS-BADU-214 | ANALOG - 4 four-pole RTDs or 8 two-pole voltage sensors, 12 BIT + SIGN |
| AS-BADU-254 | ANALOG - 4 four-pole RTDs or 8 two-pole voltage sensors, 12 BIT + SIGN |
| AS-BADU-254C | ANALOG - 4 four-pole RTDs or 8 two-pole voltage sensors, 12 BIT + SIGN Conformally Coated |
| AS-BADU-256 | ANALOG - 4 INPUTS, +/-10V, +/-20mA MODULE, 11 BIT + SIGN, EXTENDED TEMP. (-40 to 70 deg. C) |
| AS-BADU-256C | ANALOG - 4 INPUTS, +/-10V, +/-20mA MODULE, 11 BIT + SIGN, EXTENDED TEMP. (-40 to 70 deg. C) Conformally Coated |
| AS-BADU-257 | ANALOG - 2, 4, OR 8 INPUTS, THERMOCOUPLE, RTD, mV, MODULE, 16 BIT, ISOLATED, EXTENDED TEMP.(-40 to 70 deg. C) |

A120 SERIES I/O Analog Output Modules

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| AS-BDAU-202 | ANALOG - 2 OUTPUTS, +/-10V, +/-20mA MODULE, 11 BIT + SIGN, ISOLATED |
| AS-BDAU-204 | ANALOG - 4 OUTPUTS, +/- 1, 5, 10 V, +/-20mA, 4-20mA MODULE, 11 BIT + SIGN OR 12 BIT |
| AS-BDAU-208 | ANALOG - 8 OUTPUTS, +/- 10 V MODULE, 11 BIT + SIGN, ISOLATED |
| AS-BDAU-252 | ANALOG - 2 OUTPUTS, +/-10V, +/-20mA MODULE, 11 BIT + SIGN, ISOLATED, EXTENDED TEMP. |
| AS-BDAU-252C | ANALOG - 2 OUTPUTS, +/-10V, +/-20mA MODULE, 11 BIT + SIGN, ISOLATED, EXTENDED TEMP. Conformally Coated |

A120 SERIES I/O Communications Adapters

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| AS-BBKF-201 | Remote I/O Master Interface Module |
| AS-BBKF-202 | Interbus S Slave Interface Module for Compact CPU |
| AS-BDEA-202 | Remote I/O Slave Interface Module for A120 I/O Drop |
| AS-BDEA-203 | Profibus DP I/F for A120 |

A120 SERIES I/O Intelligent Modules

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| AS-BCTR-205 | High Speed Counter, 5 VDC, 25 kHz |
| AS-BCTR-212 | High Speed Counter, 12 VDC, 25 kHz |
| AS-BCTR-224 | High Speed Counter, 24 VDC, 25 kHz |
| AS-BZAE-201 | High Speed Counter, 50 kHz @ 24 VDC, 50 kHz @ 5 VDC, Relay Output |
| AS-BZAE-204 | High Speed Counter 4 Channel 1KHZ |
| AS-BVRC-200 | AC Frequency and Variable reluctance coil (Turbine flow meter), calculates AGA 7, 4 INPUTS, 10 kHz |
| AS-BM0T-201 | Sensor Signal Motion Control Module with Encoder Feedback |
| AS-BM0T-202 | Sensor Signal Motion Control Module with Resolver Feedback |
| AS-BFRQ-204 | Frequency Input Module; up to 50 kHz |
| AS-BFRQ-254C | Frequency Input Module; up to 50 kHz Conformally Coated |

A120 SERIES I/O Special Modules

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| AS-BNUL-200 | Compact Dummy Module, for pre-wiring up to 16 pt. Spare slot |
| AS-BNUL-202 | Compact Wiring Connection Mux, for signals less than 50 volts, 6A, 16 pt. |

A120 SERIES I/O Accessories

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| 309ULD45500 | Starling Gas Flow Loadable Function Block Suite. American Gas Association calculations for flow measurement. AGA 3&8 and NX-19 with full API 21.1 audit trail. (These loadables require one of the 130HEK301XX enabler to run) |
| 130HEK30101 | AGA Full Enabler Supports entire 309ULD45500 suite. |
| 130HEK30102 | AGA Lite Enabler Supports only G392 and GD92. |