

You asked for it,  
You got it.

The AV industry's first Advanced Series Mode®  
Web Enabled Power Conditioning Management System.



**Requested by leading AV consultants and integrators, the state of the art SurgeX iControl™ IP Addressable Power Conditioning Management System is now available to enable you to monitor and control your power distribution platform online, 24-7.**

- The innovative new iControl™ management system gives you the power to customize, synthesize, and monitor individual outlets and power settings on integrated IP Addressable SurgeX Advanced Series Mode® Power Conditioners, online via remote access.
- Now you will be able to create and run sophisticated, custom sequences across your entire network and receive E-mail notifications based on user defined, pre-determined conditions and thresholds, including: outlet status, current draw, power consumption, and rack temperature.
- Furthermore, the iControl™ will help you conserve and manage your facility's energy costs. SurgeX Green Power™ enables automated power up/down of selected components to maximize energy efficiency, on your own customized schedule.
- Each system includes rackmount SurgeX Advanced Series Mode Power Conditioner hardware (includes 8 individually controllable receptacles available in both 15 and 20 Amp), as well as access to the iControl™ Web Enabled IP Addressable Interface integrated inside each unit.
- Allows administrators to configure multiple rackmount power conditioners on one iControl™ system.
- Features SurgeX patented surge protection and power conditioning technologies, built exclusively to properly protect AV equipment from AC surges and electrical transients that can disrupt sound quality and digital performance. Superior to conventional MOV or MOV-Hybrid based technologies, SurgeX Advanced Series Mode® technology is completely non-sacrificial and eliminates surge energy without producing harmful side effects such as ground contamination or common-mode disturbances.
- The iControl™ System also provides common mode and normal mode Impedance Tolerant® EMI/RFI filtering, SurgeX ICE® -Inrush Current Elimination and COUYS® -Catastrophic Over/Under Voltage Shutdown.
- A-1-1 Certified and backed by an Industry Leading, 11-Year Warranty.

## Technical Description

For use in AC power distribution systems, individual current sensors on each outlet allow individual monitoring of each outlet while comprehensive sequencing and scheduling allow control of all outlets.

Pre-programmed events, when triggered, will send out emails alerting recipients of specific rack temperature, voltage or current conditions.

The iControl™ SX1115/20iP provides guaranteed surge protection and power conditioning for audio, video, broadcast and computer equipment. The units are 15/20-amp load-capable and have 8 industrial grade grounded AC receptacles. The unit features both common mode and normal mode Impedance Tolerant® EMI/RFI filtering, SurgeX ICE® -Inrush Current Elimination and COUVS®-Catastrophic Over/Under Voltage Shutdown for a complete power conditioning solution.

The iControl™ SX1115/20iP shall be a one-rack-space unit in a magnetic shielding steel enclosure. It shall operate from 120 volts AC and have a 9-foot, grounded, 3-wire #14/12 line cord. There shall be 8 grounded AC receptacles on the back panel. The unit shall have Ethernet, RS232. An external temperature sensor will measure rack temperature and 8 current sensors will measure the current on each outlet. Overall dimensions shall be 1.75" H x 19" W x 10.5" D. Weight shall be 15 pounds. The iControl™ SX1115/20iP shall have a load rating of 15/20 amps at 120 volts, a self-test circuit with visual indicator, and provide EMI/RFI filtering, inrush current elimination and catastrophic over/under-voltage shutdown. It shall meet Federal Grade A, Class 1, Mode 1 guidelines for powerline surge suppressors and withstand at least 1000 occurrences of surge pulse voltages up to 6000 volts.

## Features

- iControl™ Web Interface
- Magnetic shielding steel enclosure
- 9' grounded 3-wire #14/12 line cord [choose gauge for SX1115iP or SX1120iP]
- 8 individually controllable grounded AC receptacles on rear panel
- Advanced Series Mode® surge protection
- Advanced Impedance Tolerant® EMI/RFI filtering
- SurgeX ICE® inrush current elimination technology (outlets 1 & 2)
- COUVS® catastrophic over/under-voltage shutdown
- Ethernet addressable
- RS232 port
- TCP/IP (Telnet) Interface
- True RMS AC Voltmeter
- True RMS current sensor for each outlet
- Rack temperature sensor
- Sequences can be programmed
- Operation can be scheduled
- Locates other SurgeX IP units on the same network
- User programmable actions
- Email alerts
- Thermal circuit breaker overload protection
- Self-test circuit with visual indicator
- 10-year warranty
- Made in U.S.A.

## Specifications

**Load Rating:** 15/20 amps Amps at 120 Volts  
[choose current for SX1115 or SX1120]

**Power Requirement (no load):** 5 Watts

**Surge Let-through Voltage (6000 Volt surge):** 0 Volts

**UL 1449 Adjunct Classification Test Results:** 1000 surges, 6000 Volts, 3000 Amps, B3 pulse; measured suppressed voltage, 170 Volts; no failures

**Federal Guidelines:** Grade A, Class 1, Mode 1 (CID A-A-55818)

**EMI/RFI Filter, Normal Mode (50 Ohm load):**  
40 dB @ 100 KHz, 50dB @ 300 KHz, 50 dB @ 3 MHz, 50 dB @ 30 MHz

**EMI/RFI Filter, Common Mode (50 Ohm load):**  
18dB @ 300 KHz, 30 dB @ 1 MHz, 50 dB @ 5 MHz, 50 dB @ 20 MHz

**Maximum Applied Surge Voltage:** 6000 Volts \*

**Maximum Applied Surge Current:** Unlimited  
(due to current limiting) \*

**Maximum Applied Surge Energy:** Unlimited  
(due to current limiting) \*

**Endurance (C62.41-1991 category B3 pulses):**  
1 KV > 500,000; 3 KV > 10,000; 6 KV > 1000

**Undervoltage Shutdown:** Adjustable from 90 Volts to 105 Volts

**Overvoltage Shutdown:** Adjustable from 135 Volts to 150 Volts

**Maximum Load Inrush Energy During Power Up (ICE on Outlets 1 & 2 only):** 1000 Joules

**Serial Port:** Terminal block TX, RX & Common.  
Supports general RS232 communications

**Network Port:** 10/100 Base T Ethernet connection on Female RJ-45 supporting TCP/IP, HTTP, DHCP, TFTP, telnet and NTP protocols.

**Dimensions:** 19" W x 10.5" D x 1.75" H (Single Rack Space)

**Weight:** 15 lbs.

**Temperature Range:** 5C to 35C

**Humidity Range:** 5% to 95% R.H. Non-condensing

**Agency Listings:** ETL and cETL (UL 1449, 2nd Edition; CSA C22.2 No.8-M1986, R2000)

\* 1.2 x 50 microsecond industry standard combination wave surge as per IEEE C62.41

