

# ***SURGEX*** / **AMETEK**<sup>®</sup>

PROTECT + ∞ NNECT

SurgeX solutions are designed to protect and connect in any environment.

Our products provide the highest level of power protection available with the simplicity of cloud-based monitoring and management.

## ***SURGEX*** ∞ NNECT



Cloud-based software that empowers AV integrators to remotely **Control, Monitor, and Manage** individual or a fleet of devices.

distributed by  
**PANEL**<sup>TV</sup>

Panel TV, 48, El. Venizelou Str. Kallithea, Attica, GR-17676 Greece  
Tel: +30 210 9017 620 | Website: [www.mypaneltv.com](http://www.mypaneltv.com)

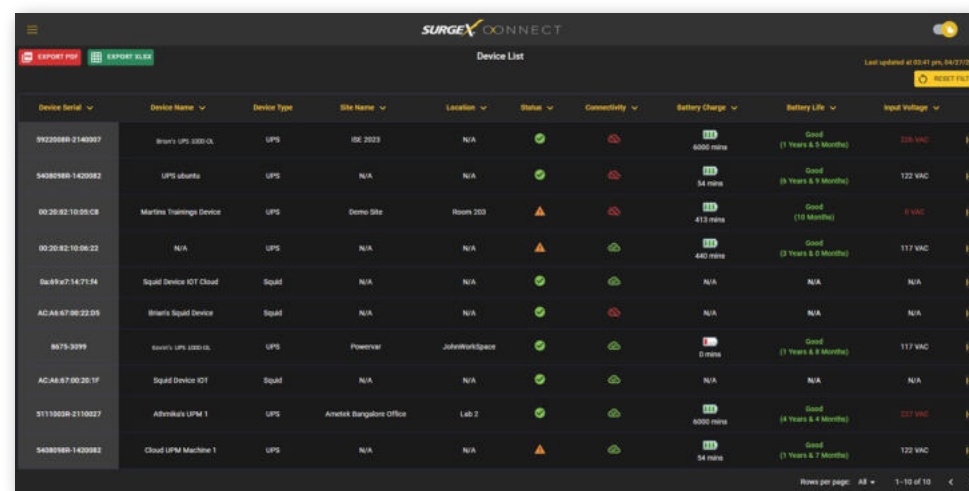


## SURGEX CONNECT

### What is SurgeX CONNECT?

SurgeX CONNECT streamlines multi-site power management into a cloud-based, intuitive, and secure dashboard that allows integrators to easily take control of their installations' power quality – *anytime, anywhere!*

Its intuitive and secure platform enables integrators to remotely monitor, toggle, reboot, and control outlets and devices, empowering them to meet power quality requirements across project sites confidently. The interface delivers a consistent, high-quality experience, leveraging its robust connectivity, comprehensive device management, remote monitoring, and advanced analytics from SurgeX's most trusted power protection technologies.



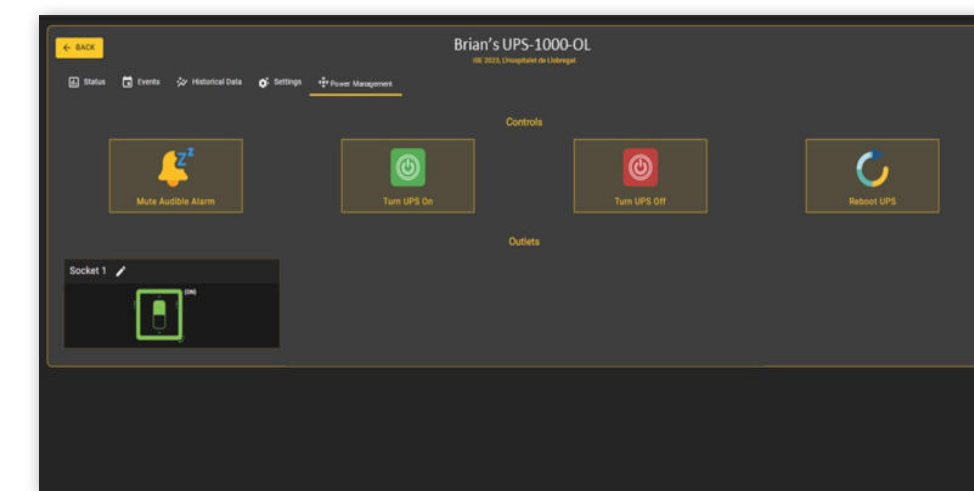
#### Device List

A single screen, with a simplified view, where all devices can be sorted, filtered, and searched.



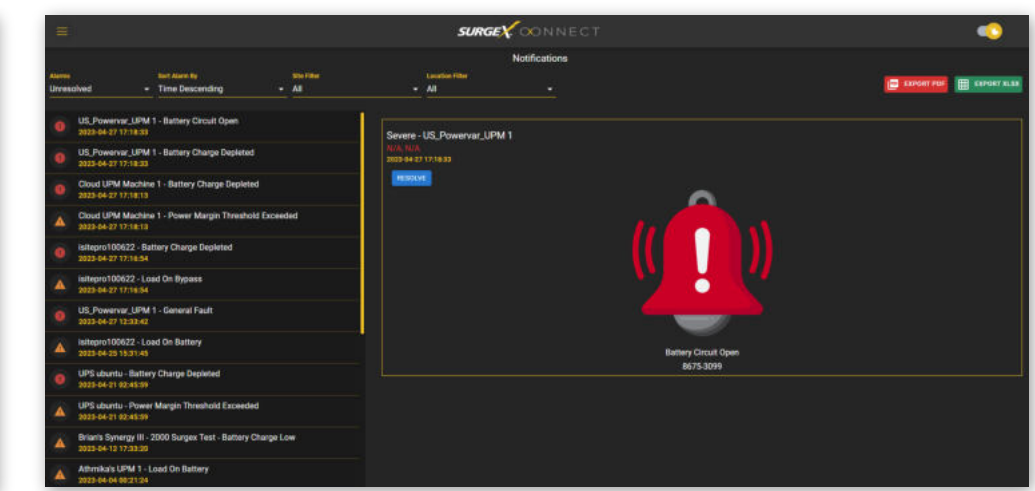
#### Device Details

Monitor the relevant power analytics for an individual device, review time stamped events, historical power analytics, and much more.



#### Power Management

Turn on, off, and reset individual outlets/banks, mute Audible Alarms (UPS only), set up outlet sequences, and trigger events. (SQUID only)



#### Alerts and Notifications

Notification screen to review alerts from your fleet of devices in one place. Set up triggered notification emails to send critical, warning, and event updates. Each device also has its own alert list (not pictured), which can be reviewed.

- VERTICAL SERIES+
- DEFENDER SERIES+
- DISPLAYPAK+
- AXESS+
- AXESS ELITE+
- AXESS ELITE
- SQUID
- UPS STANDALONE
- Integration & Technology Guide
- Small Room Solutions
- Large Room Solutions
- Education Technology Solutions
- Control Systems Solutions





# VERTICAL SERIES

## Save Rack Space, the Smart Way

Fully IP-controlled, the Vertical Series+ smart PDU is feature-packed touting remote turn on/off, power cycling, sequencing, triggers, remote power management and analytics. Flexible sizing options ensure the perfect fit for any rack configuration.

### Features:

- IP-controlled
- 8, 16, and 24 outlet configurations
- Individually switchable receptacles
- Remote turn on/off, power cycling, and sequencing
- Advanced scheduling, AutoPing, and threshold triggered events
- Remote power management and analytics
- Seamless integration with third-party control systems



**SURGEX** CONNECT  
COMPATIBLE

Model	Plug Config.	Outlet Config.	Cable Length
SX-VS-108i	10A / IEC C14	IEC C13 x8	2.75m (9ft)
SX-VS-1016i	10A / IEC C14	IEC C13 x16	2.75m (9ft)
SX-VS-1624i	16A / IEC C20	IEC C13 x20 IEC C19 x4	2.75m (9ft)

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# VERTICAL SERIES

SX-VS-108i

SX-VS-1016i

SX-VS-1624i

## TECHNICAL DESCRIPTION

The SX-VS-XXXXi shall be a universally rack mountable unit in a magnetic shielding steel enclosure. It shall operate at 240 volts AC and have an attached line cord. There shall be 8 / 16 / 24 AC receptacles on the output, with all outlets individually switched. There shall also be a USB OTG port for out of band control and configuration. Overall dimensions & weight shown in the specification sheet. The unit shall have remote turn-on capabilities enabled by wired Ethernet. Remote turn-on, turn-off, and reboot shall be activated by software. It shall have remote control, sequencing, scheduling, measurement, Auto Ping, and adjustable trigger functions, and shall support wired Ethernet HTTP, HTTPS, SNMPv1, SNMPv3, NTP, mDNS, 802.1x, and LDAP protocols. The unit shall measure voltage, current, power, frequency, energy, and temperature, and shall record events and measurements in its internal memory. The SX-VS-XXXXi shall have a load rating of 10 amps at 240 volts for 8 & 16 outlet models , a load rating of 16 amps at 120 volts for 24 outlet models.



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VERTICAL SERIES+

DEFENDER SERIES+

DISPLAYPAK+

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AXESS ELITE+

AXESS ELITE

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# VERTICAL SERIES

Parameter		SX-VS-108i	SX-VS-1016i	SX-VS-1624i
AC Load Rating		10A @ 240V	10A @ 240V	16A @ 240V
No of Outlets		8	16	24
Power Requirement (no load)		15W	15W	15W
	Voltage	± 2%		
Measurement	Current	± 5%		
Accuracy	Power	± 5%		
	Energy	± 5%		
Timestamp Accuracy		± 1%		
Network Port		10/100 Ethernet connection on Female RJ-45, Auto Negotiating with 10/100 network connections with Link and Activity LEDs		
		USB RNDIS Device on micro-AB		
Weight		9.0Lbs/4.1Kg	13.9Lbs/6.3Kg	17.6Lbs/8.0Kg
Dimensions (Enclosure)	Length:	600mm	1080mm	1500mm
	Width:	70mm	70mm	70mm
	Depth	66mm	66mm	66mm
Temperature Range: 100% Load		0 to 45 °C (32 - 113 °F)		
Humidity Range		5% to 95% R.H. Non-condensing		
Altitude		0 - 10000ft (0 - 3048meters)		
Agency Listings	Safety	<ul style="list-style-type: none"> <li>•UL 62368-1, 2nd Ed, 2014-12-01 (Audio/video, information, and communication technology equipment Part 1: Safety requirements) National Differences specified in the CB Test Report</li> <li>•CE Mark</li> <li>•UKCA Mark</li> <li>•WEEE</li> <li>•RoHS: Compliant</li> <li>•REACH: Compliant</li> </ul>		
	EMC	<ul style="list-style-type: none"> <li>• EN 55032:2015+A11:2020</li> <li>• EN 55035:2017+A11:2020</li> <li>• EN IEC 61000-3-2:2019+A1:2021</li> <li>• EN 61000-3-3:2013+A2:2021</li> </ul>		
IP protection class		IPX0		
AC Power System Type		TN		
Pollution Rating		Pollution degree (PD) PD 2		



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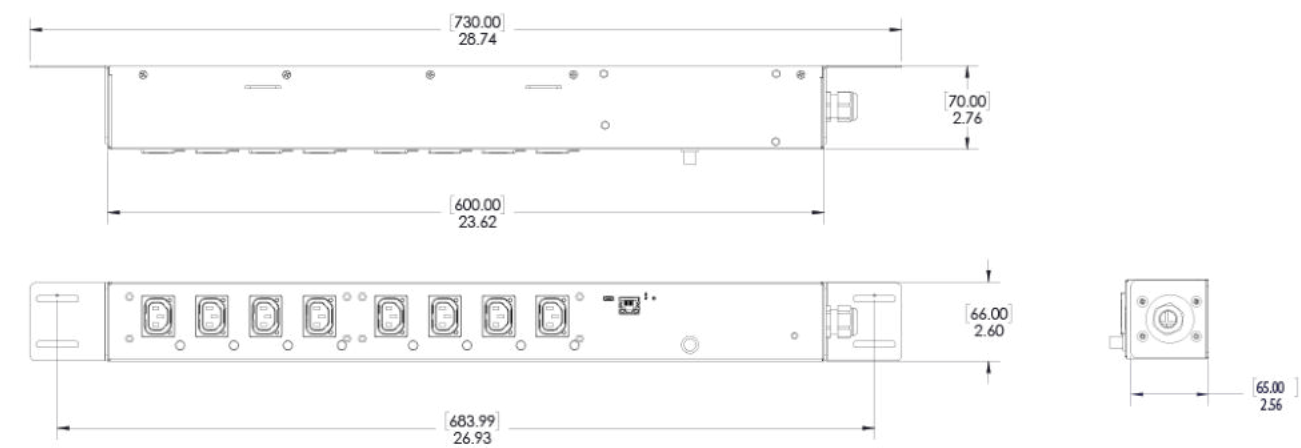
CAD Drawings



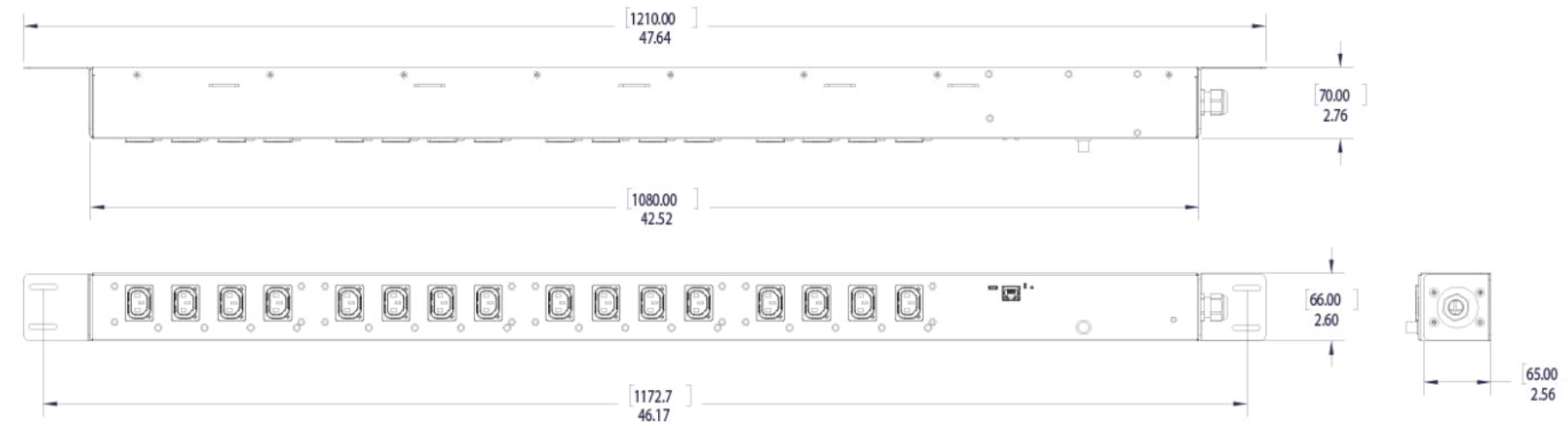


# VERTICAL SERIES

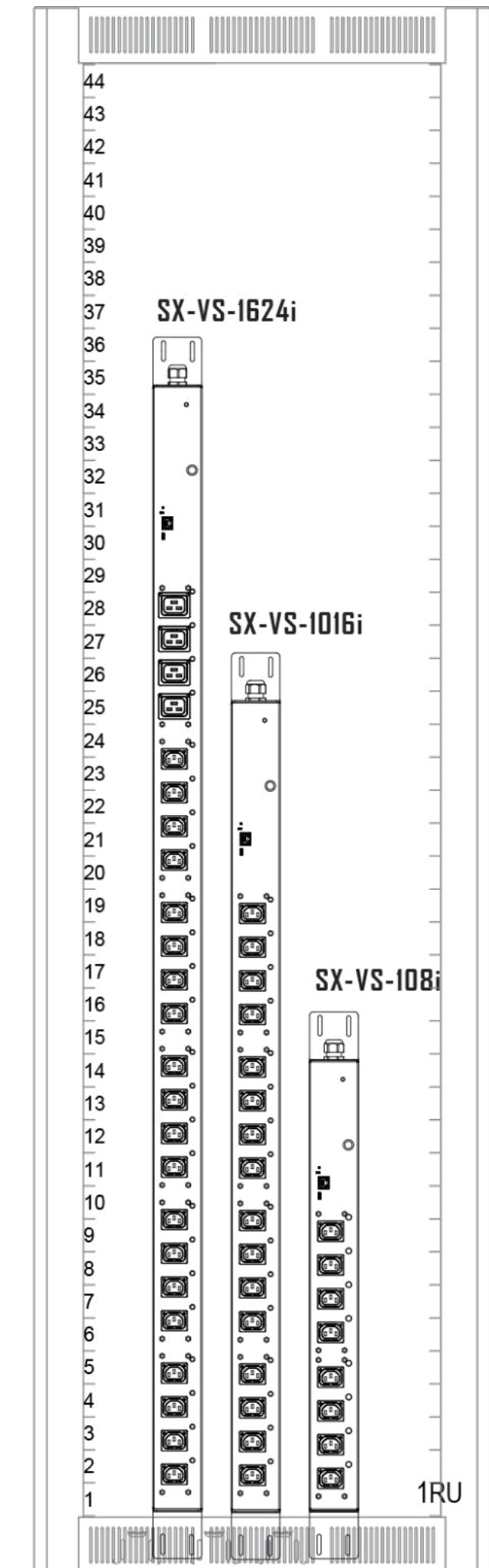
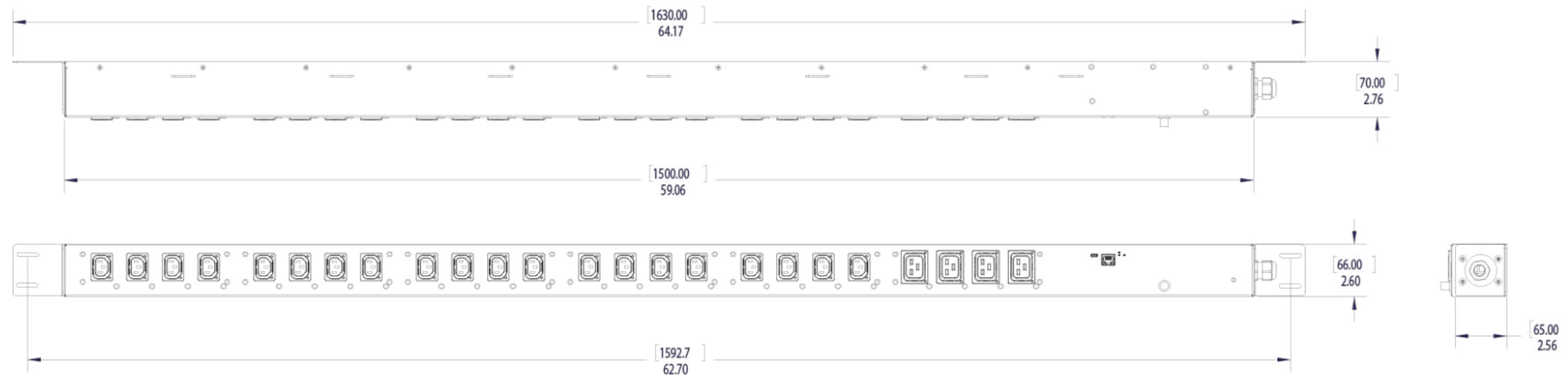
**SX-VS-108i**



**SX-VS-1016i**



**SX-VS-1624i**



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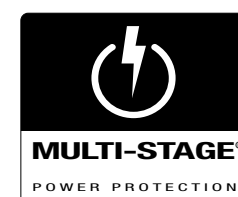
# DEFENDER SERIES+

## Multi-Stage Power Protection

The Defender Series+ provides Multi-Stage surge protection, power filtration, inlet current monitoring, analytics and control triggers, enabling integrators to protect, control, diagnose and automate faulty equipment.

### Features:

- IP-controlled
- Multi-stage surge protection
- Swappable power cord with lock
- 8 individually switchable receptacles and 1 always ON receptacle
- Remote turn on/off, power cycling, and sequencing
- Advanced scheduling, AutoPing, and threshold triggered events
- Remote power management and analytics
- Seamless integration with third party control systems



COMING SOON



Model	Plug Config.	Outlet Config.	Rack Size
SX-DSP-109i	10A / IEC C14	IEC C13 x9	1 RU
SX-DSP-169i	16A / IEC C20	IEC C13 x9	1 RU

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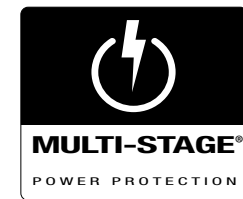
# DISPLAYPAK+

## Wi-fi Enabled Compact Power Management

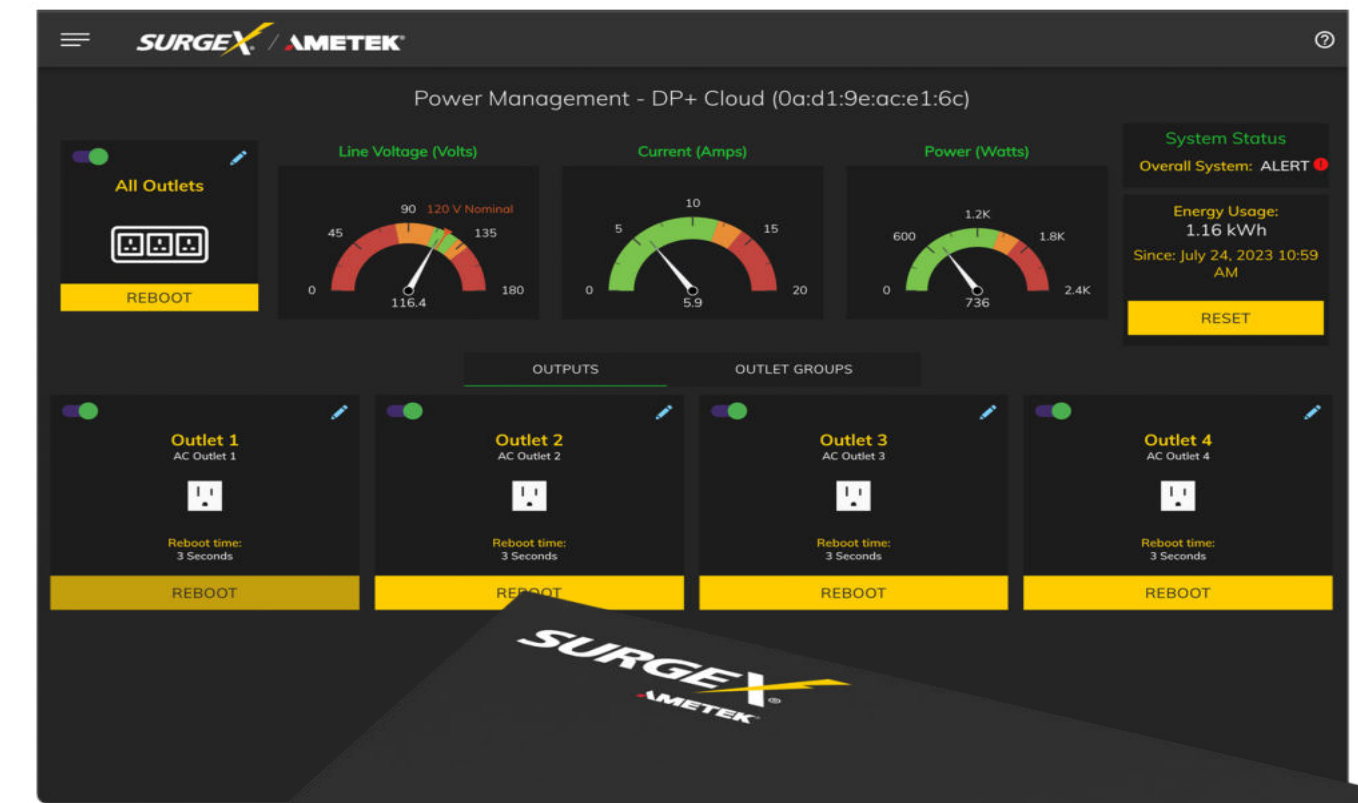
AC Power Management in a super compact form factor. Fully IP-controlled and monitored outlets for your applications in digital signage, mobile or collaboration space environments.

### Features:

- IP-controlled
- Multi-stage surge protection
- 2 or 4 individually switchable receptacles
- Remote turn on/off, power cycling, and sequencing
- Advanced scheduling, AutoPing, and threshold triggered events
- Remote power management and analytics
- Seamless integration with third party control systems



COMING SOON



SURGEX CONNECT  
COMPATIBLE

Model	Plug Config.	Outlet Config.	Cable Length
SX-DP-102i	10A / IEC C14	IEC C13 x2	3ft (0.9m)
SX-DP-104i	10A / IEC C14	IEC C13 x4	3ft (0.9m)

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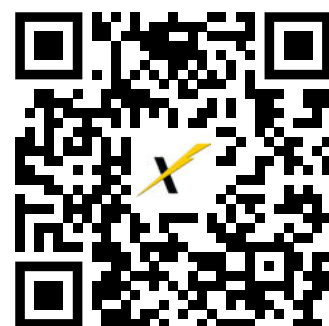


## Remote Power Management

Axes+ provides non-sacrificial surge protection Advanced Series Mode, network control, remote management, power cycling, and sequencing.

### Features:

- IP-controlled
- Remote management and control of connected devices
- Monitor energy consumption per device
- Real-time diagnostics and analytical insights
- Advanced Series Mode® surge elimination technology
- Individual device sequencing



COMING SOON



SURGEX CONNECT  
COMPATIBLE

Model	Plug Config.	Outlet Config.	Rack Size
SX-AP-109i	10A / IEC C14	IEC C13 x9	1 RU
SX-AP-169i	10A / IEC C14	IEC C13 x9	1 RU

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# AXESS<sup>®</sup> ELITE+

## AC Power Management, IP-Enabled

Axess ELITE+ provides non-sacrificial surge protection Advanced Series Mode, network control, remote management, power cycling, and sequencing.

### Features:

- IP-controlled
- Remote management and control of connected devices
- Monitor energy consumption per device
- Real-time diagnostics and analytical insights
- Advanced Series Mode<sup>®</sup> surge elimination technology
- Individual device sequencing



COMING SOON



SURGEX CONNECT  
COMPATIBLE

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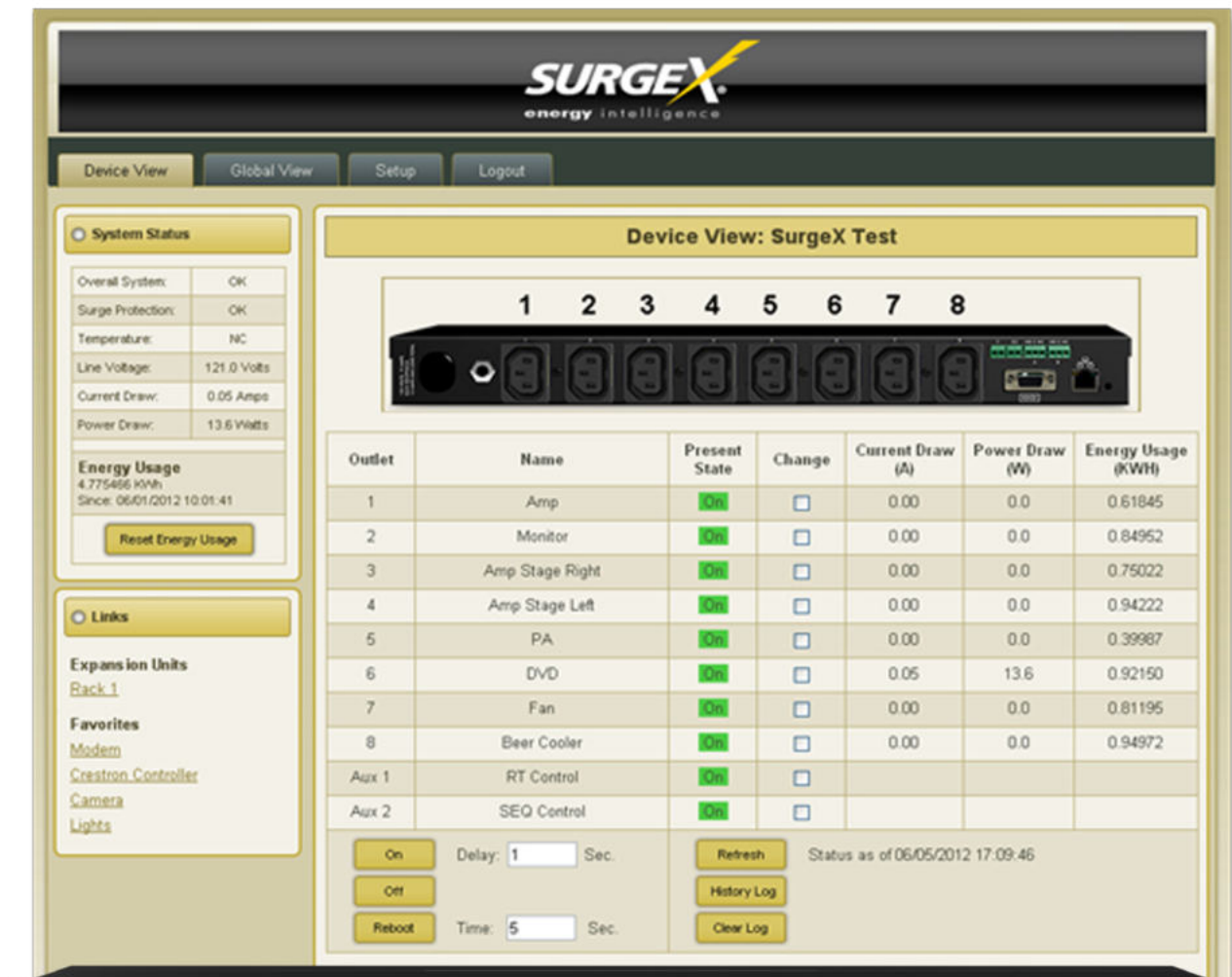
# AXESS<sup>®</sup> ELITE

## AC Power Management, IP-Enabled

When power management is needed to provide remote insight and control of the electrical power consumed by an underlying device. Also includes surge elimination technology.

### Features:

- IP-enabled two-way communication
- Displays real-time power and energy usage
- Collects rack temperature, voltage, and current draw measurements
- Displays a log file for advanced monitoring
- Non-sacrificial components
- Advanced Series Mode<sup>®</sup> surge elimination technology
- Impedance Tolerant EMI/RFI Filter
- COUVS<sup>®</sup> catastrophic over/under voltage shutdown
- SurgeX ICE<sup>®</sup> inrush current elimination
- Magnetic shielding steel enclosure



Model	Plug Config.	Outlet Config.	Rack Size
SX-AX10Ei	10A / 240V	IEC C13 x8	1 RU
SX-AX16Ei	16A / 240V	IEC C13 x8	1 RU



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## SX-AX10Ei

### TECHNICAL DESCRIPTION

The SX-AX10Ei shall be a one-rack-space unit in a magnetic shielding steel enclosure. It shall operate from 240 volts AC and have an IEC C14 input cord outlet. There shall be 8 grounded AC receptacles on the back panel, with all 8 switched. Overall dimensions shall be 482.6 mm W x 311.15 mm D x 44.45 mm H. Weight shall be 5.90 kg. The unit shall have remote turn-on capabilities enabled by wired Ethernet, serial, and terminal block connections. Remote turn-on and turn-off shall be activated by contact closure or software. It shall have remote control, sequencing, scheduling, measurement, AutoPing, and adjustable trigger functions, and shall support wired RS-232 and Ethernet HTTP, Telnet, SNMP, Syslog, SMTP, and SDxP protocols. The unit shall measure voltage, current (per outlet), power (per outlet), energy (per outlet), and temperature, and shall record events in its internal memory. There shall be two relay outputs for control and cascading. The SX-AX10Ei shall have a load rating of 16 amps at 240 volts , a self-test circuit with visual indicator, and provide EMI/RFI filtering, inrush current elimination and catastrophic over/under-voltage shutdown. It shall withstand at least 1000 occurrences of surge pulse voltages up to 6000 volts.

## SX-AX16Ei

### TECHNICAL DESCRIPTION

The SX-AX16Ei shall be a one-rack-space unit in a magnetic shielding steel enclosure. It shall operate from 240 volts AC and have an IEC C20 input cord outlet. There shall be 8 grounded AC receptacles on the back panel, with all 8 switched. Overall dimensions shall be 482.6 mm W x 311.15 mm D x 44.45 mm H. Weight shall be 5.90 kg. The unit shall have remote turn-on capabilities enabled by wired Ethernet, serial, and terminal block connections. Remote turn-on and turn-off shall be activated by contact closure or software. It shall have remote control, sequencing, scheduling, measurement, AutoPing, and adjustable trigger functions, and shall support wired RS-232 and Ethernet HTTP, Telnet, SNMP, Syslog, SMTP, and SDxP protocols. The unit shall measure voltage, current (per outlet), power (per outlet), energy (per outlet), and temperature, and shall record events in its internal memory. There shall be two relay outputs for control and cascading. The SX-AX16Ei shall have a load rating of 16 amps at 240 volts , a self-test circuit with visual indicator, and provide EMI/RFI filtering, inrush current elimination and catastrophic over/under-voltage shutdown. It shall withstand at least 1000 occurrences of surge pulse voltages up to 6000 volts.

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VERTICAL SERIES+

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## SX-AX10Ei

SPECIFICATIONS		SX-AX10Ei
Load Rating		10A
Voltage Rating		240V
Power Requirement (no load)		15 W
Input/Mains Plug Type		IEC C14
Input/Mains Cord Length		None
# of Receptacles		8
Receptacle Type		IEC C13
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
EMI/RFI Filter	Normal mode (50Ω load)	>20dB 35kHz – 50MHz >30dB 170kHz – 20MHz 25 dB@100 KHz, 40dB@300 KHz, 56 dB@3 MHz, 30 dB@30 MHz
	Common Mode (50Ω load)	> 10dB 300kHz – 50MHz >20dB 1.5MHz – 50MHz 10dB@300 KHz, 18dB@1 MHz, 30 dB@5 MHz, 20 dB@20 MHz
Under-Voltage Auto Shutdown		Adjustable from 160V to 210V, or disabled. Default 160V.
Over-Voltage Auto Shutdown		Adjustable from 240V to 300V. Default 260V.
Over-Current Auto Shutdown		Circuit Breaker Electronic shutdown adjustable from 1A to 20A, or disabled
Over-Temperature Auto Shutdown		Adjustable from 21.11 to 37.78°C / 70 to 100°F, or disabled
Network Port		10/100 Ethernet connection on Female RJ-45, Auto Negotiating with 10/100/1000 network connections with Link and Activity LEDs
Serial Port		RS-232 on Female 9-pin D-subminiature, DCE
Temperature Sensor Input		2 x screw terminal
BTU/h Max		120 BTU/h
Auxiliary Relay Outputs		(2) 3 x screw terminal
Contact Closure Input		2 x screw terminal
Dimensions		482.6 mm W x 311.15 mm D x 44.45 mm H / 19" W x 12.25" D x 1.75" H
Weight		5.90 kg / 13 lbs
Temperature Range:		5C to 35C
Humidity Range		5% to 95% R.H. Non-condensing
Agency Listings		Certified to IEC 60950-1 and IEC 62368-1

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

\*\* Specifications subject to change without notice

Specifications Version: ESP-SRX\_Product\_Specs\_Master 03.05.21.xlsx

## SX-AX16Ei

SPECIFICATIONS		SX-AX16Ei
Load Rating		16A
Voltage Rating		240V
Power Requirement (no load)		15 W
Input/Mains Plug Type		IEC C20
Input/Mains Cord Length		None
# of Receptacles		8
Receptacle Type		IEC C13
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
EMI/RFI Filter	Normal mode (50Ω load)	>20dB 35kHz – 50MHz >30dB 170kHz – 20MHz 25 dB@100 KHz, 40dB@300 KHz, 56 dB@3 MHz, 30 dB@30 MHz
	Common Mode (50Ω load)	> 10dB 300kHz – 50MHz >20dB 1.5MHz – 50MHz 10dB@300 KHz, 18dB@1 MHz, 30 dB@5 MHz, 20 dB@20 MHz
Under-Voltage Auto Shutdown		Adjustable from 160V to 210V, or disabled. Default 160V.
Over-Voltage Auto Shutdown		Adjustable from 240V to 300V. Default 260V.
Over-Current Auto Shutdown		Circuit Breaker Electronic shutdown adjustable from 1A to 20A, or disabled
Over-Temperature Auto Shutdown		Adjustable from 21.11 to 37.78°C / 70 to 100°F, or disabled
Network Port		10/100 Ethernet connection on Female RJ-45, Auto Negotiating with 10/100/1000 network connections with Link and Activity LEDs
Serial Port		RS-232 on Female 9-pin D-subminiature, DCE
Temperature Sensor Input		2 x screw terminal
BTU/h Max		200 BTU/h
Auxiliary Relay Outputs		(2) 3 x screw terminal
Contact Closure Input		2 x screw terminal
Dimensions		482.6 mm W x 311.15 mm D x 44.45 mm H / 19" W x 12.25" D x 1.75" H
Weight		5.90 kg / 13 lbs
Temperature Range:		5C to 35C
Humidity Range		5% to 95% R.H. Non-condensing
Agency Listings		Certified to IEC 60950-1 and IEC 62368-1

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

\*\* Specifications subject to change without notice

Specifications Version: ESP-SRX\_Product\_Specs\_Master 03.05.21.xlsx

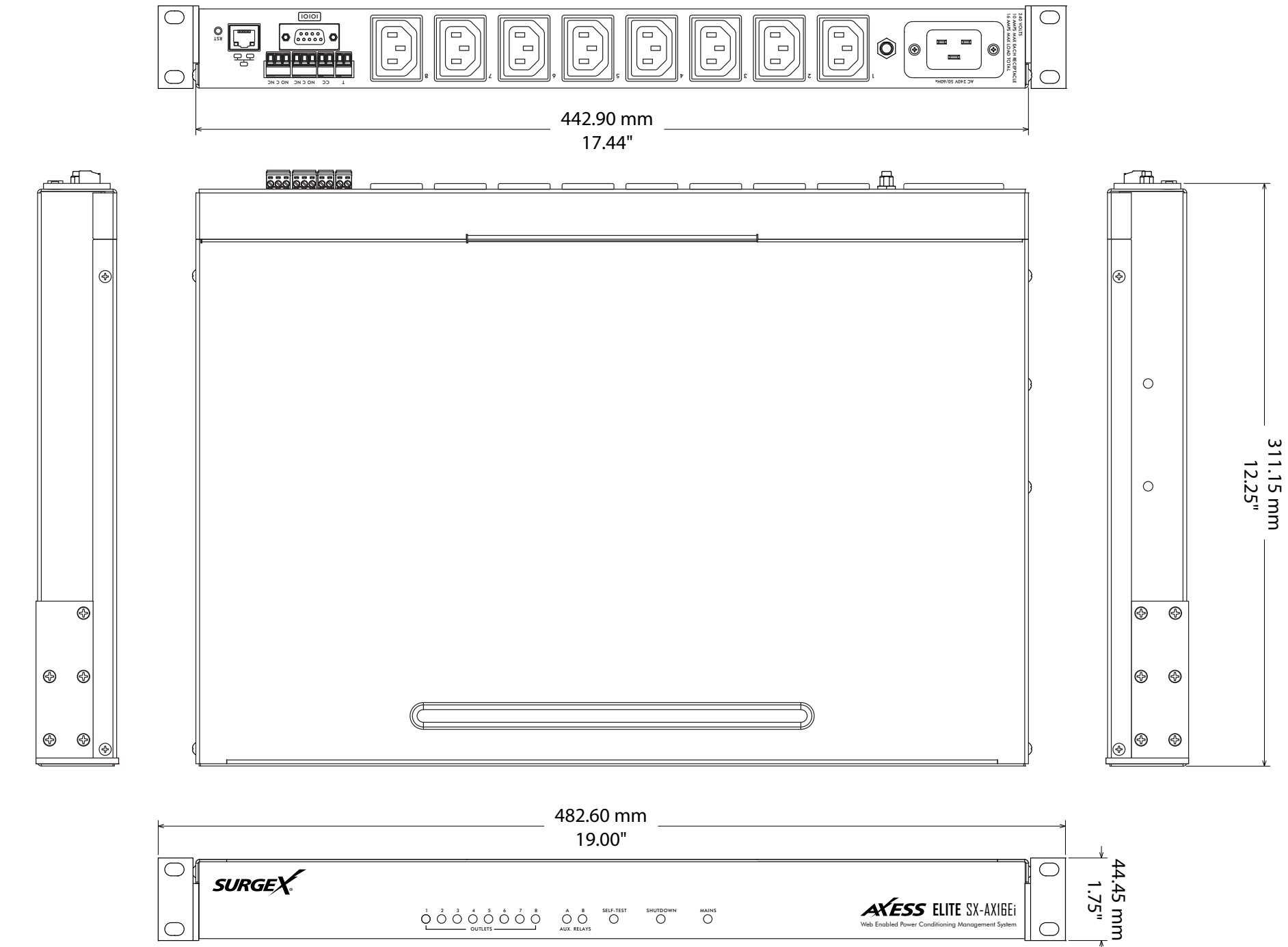
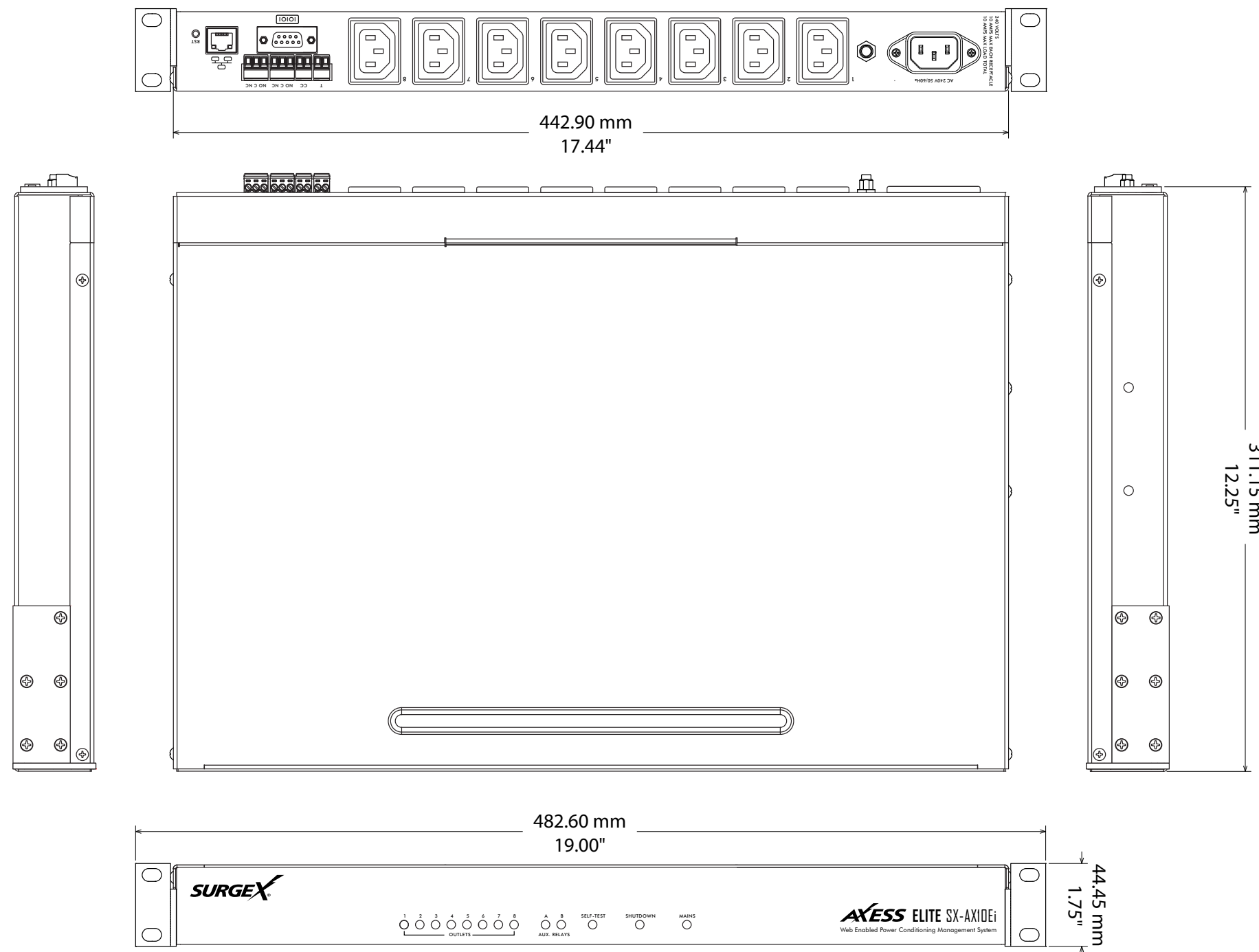




# AXESS<sup>®</sup> ELITE

## SX-AX10Ei

## SX-AX16Ei



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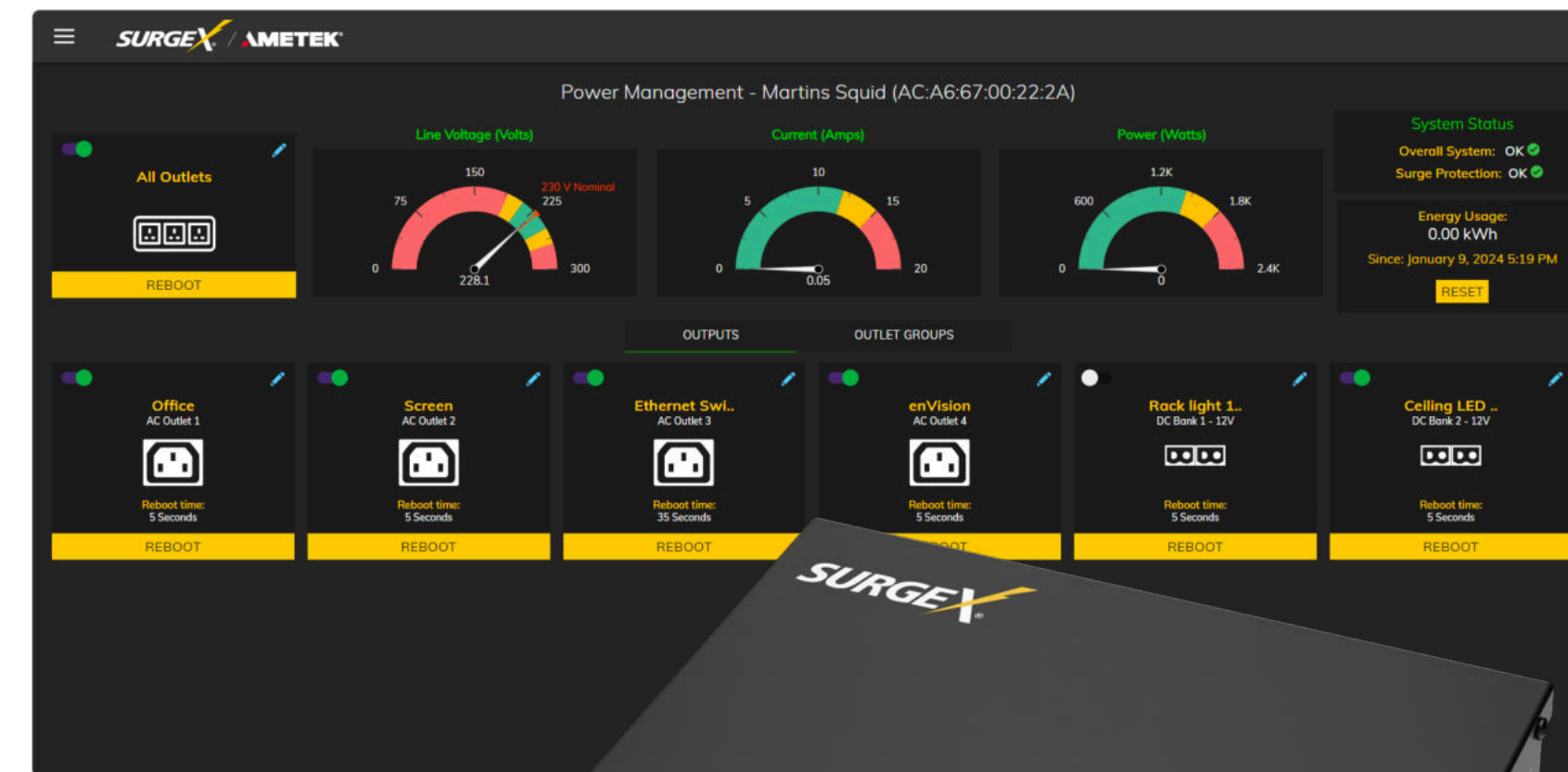
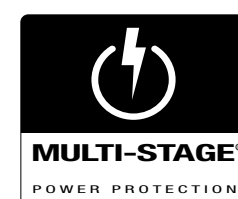


## AC/DC Power Management, IP-Enabled

AC/DC power protection, boxed network control, and analytical software in one chassis. For use in small meeting/huddle spaces.

### Features:

- IP-enabled two-way communication
- Displays real-time power and energy usage
- Collects rack temperature, voltage, and current draw measurements
- Displays a log file for advanced monitoring
- Non-sacrificial components
- Advanced Series Mode® surge elimination technology
- Impedance Tolerant EMI/RFI Filter
- COUVS® catastrophic over/under voltage shutdown
- SurgeX ICE® inrush current elimination
- Magnetic shielding steel enclosure



SURGEX CONNECT  
COMPATIBLE

Model		Outlet Configuration			
AC Load Rating	International	4 Outlets, 10 Amps/120-240 Volts			
DC Load Rating		DC 1 Output Rating	DC 2 Output Rating	Combined DC1 + DC2 Output Rating	Combined 5V Output Rating
	SX-DC-8-12-230**	5A @ 12V	5A @ 12V	10A @ 12V	3A @ 5V
	SX-DC-8-24-230**	2.5A @ 24V	2.5A @ 24V	5A @ 24V	3A @ 5V
	SX-DC-8-1224-230**	2.5A @ 24V	5A @ 12V	NA	3A @ 5V

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AXESS ELITE



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SX-DC-8-12-230  
SX-DC-8-24-230  
SX-DC-8-1224-230

TECHNICAL DESCRIPTION

The SX-DC-8-XXXX shall be a universally mountable unit in a magnetic shielding steel enclosure. It shall operate at 120 or 240 volts AC and have a detachable line cord. There shall be 4 grounded AC receptacles on the input face, with all 4 individually switched. There shall be 2 individually switched DC output banks with 2 detachable connectors per bank. There shall be an unswitched 5 volts DC output on a detachable connector, as well as two USB A ports for power. There shall also be a USB OTG port for out of band control and configuration. Overall dimensions shall be 1.75" D x 8.25" W x 10" L. Weight shall be no more than 5.5 pounds. The unit shall have remote turn-on capabilities enabled by wired Ethernet. Remote turn-on, turn-off, and reboot shall be activated by software. It shall have remote control, sequencing, scheduling, measurement, AutoPing, and adjustable trigger functions, and shall support wired Ethernet HTTP, HTTPS, SNMPv1, SNMPv3, NTP, mDNS, 802.1x, and LDAP protocols. The unit shall measure voltage, current, power, frequency, energy, and temperature, and shall record events and measurements in its internal memory. The SX-DC-8-XXXX shall have a load rating of 15 amps at 120 volts, a load rating of 10 amps at 240 volts, a self-test circuit with software enabled indicator, and provide EMI/RFI filtering, and catastrophic over/under-voltage shutdown. It shall withstand surge pulse voltages up to 6000 volts.



SURGEX CONNECT

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AXESS ELITE



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Parameter		Specification			
AC Load Rating	North America	12 Amps at 120 Volts			
Maximum Full Load	Rest of World	10 Amps at 240 Volts			
DC Load Rating		DC Output 1 Rating	DC Output 2 Rating	Combined DC1 + DC2 Rating	5V Output Rating
Maximum Full Load	SX-DC-8-12-X	5A @ 12V	5A @ 12V	10A @ 12V	3A @ 5V
	SX-DC-8-24-X	2.5A @ 24V	2.5A @ 24V	5A @ 24V	3A @ 5V
	SX-DC-8-1224-X	2.5A @ 24V	5A @ 12V	NA	3A @ 5V
Power Requirement (no load)		15 Watts			
DC Efficiency		90% Typical			
Audible Noise at 1m		35 dBA Typical			
Heat Generation		185 BTU/h Max			
EMI/RFI Filter	Normal mode (50Ω load)	> 30 dB 80 kHz – 50 MHz			
	Common Mode (50Ω load)	> 20 dB 160 kHz – 27.5 MHz			
Under-Voltage Auto Shutdown		Adjustable from 0V to 300V, or disabled.			
Over-Voltage Auto Shutdown		Adjustable from 125V to 300V, or disabled.			
Over-Current Auto Shutdown		Adjustable from 0.1A to 20A, or disabled.			
Measurement Accuracy	Voltage	± 2% Typical Product Accuracy			
	Current	± 2% Typical Product Accuracy			
	Power	± 2% Typical Product Accuracy			
	Energy	± 2% Typical Product Accuracy			
Timestamp Accuracy		± 1% Typical Product Accuracy			
Network Port		10/100 Ethernet connection on Female RJ-45, Auto Negotiating with 10/100 network connections with Link and Activity LEDs USB RNDIS Device on micro AB			
Dimensions		1.75"D x 10"L x 8.25"H			
Weight	SX-DC-8-12-X, SX-DC-8-24-X	5 lb.			
	SX-DC-8-1224-X	5.5 lb.			
Temperature Range:		100% Load			
	SX-DC-8-12-X	5C to 39C			
	SX-DC-8-24-X	5C to 47C			
	SX-DC-8-1224-X	5C to 42C			
Humidity Range		0% to 95% R.H. Non-condensing			
Agency Listings		UL/CUL/CB 62368			



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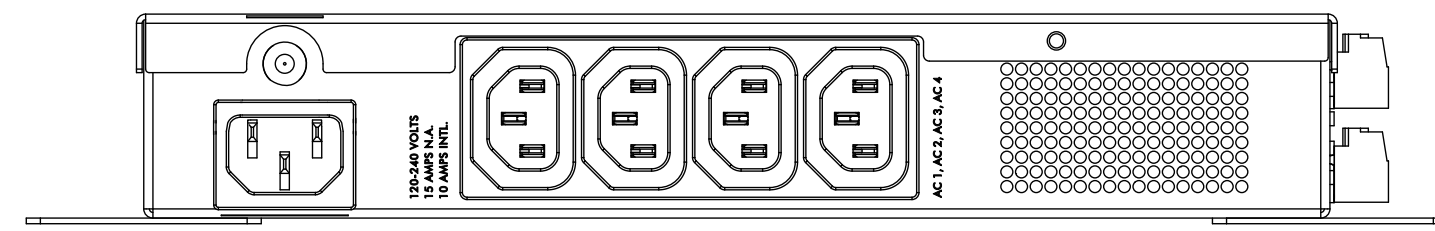
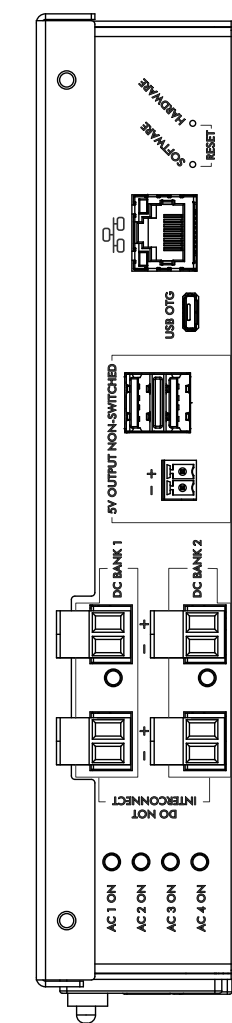
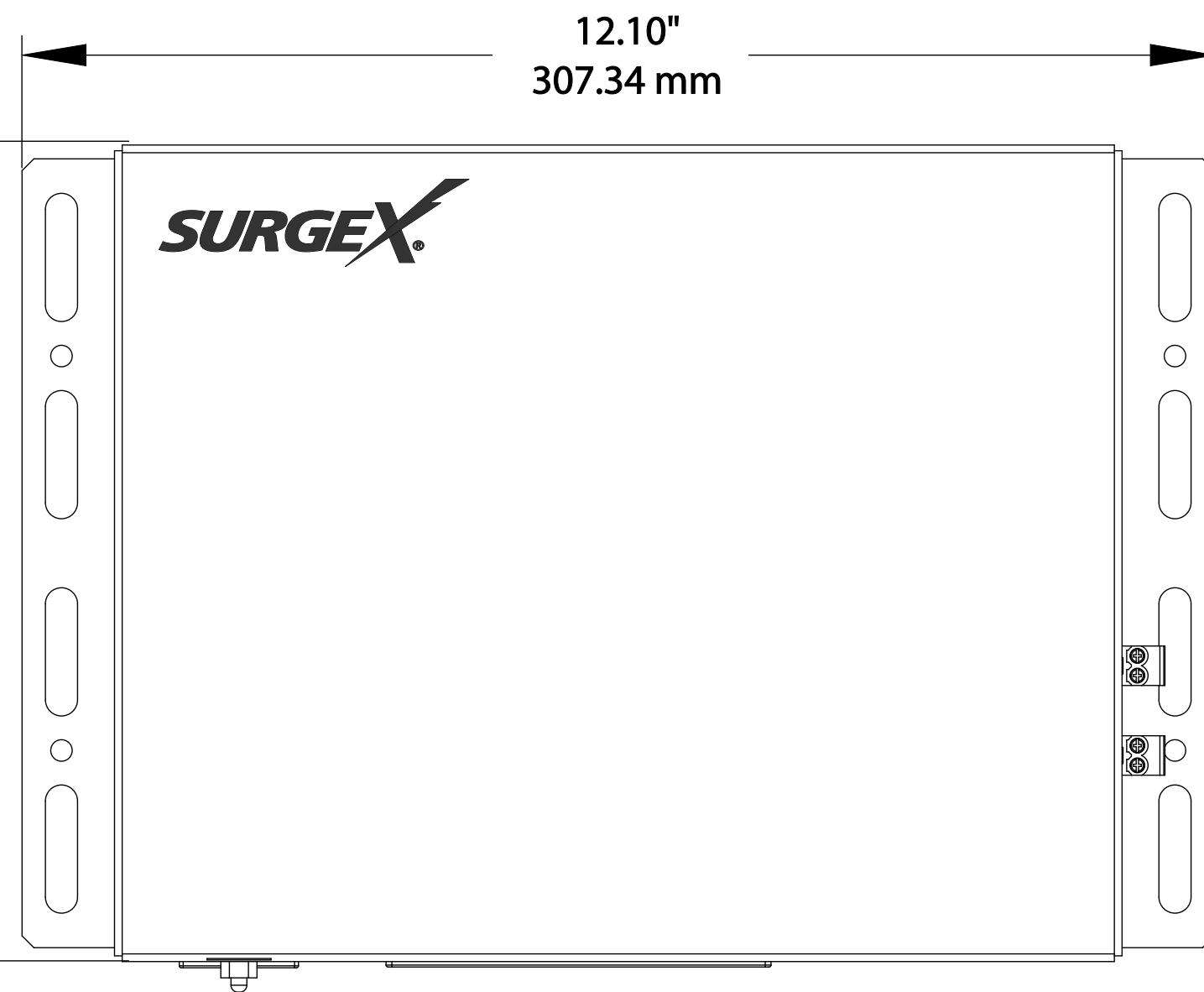
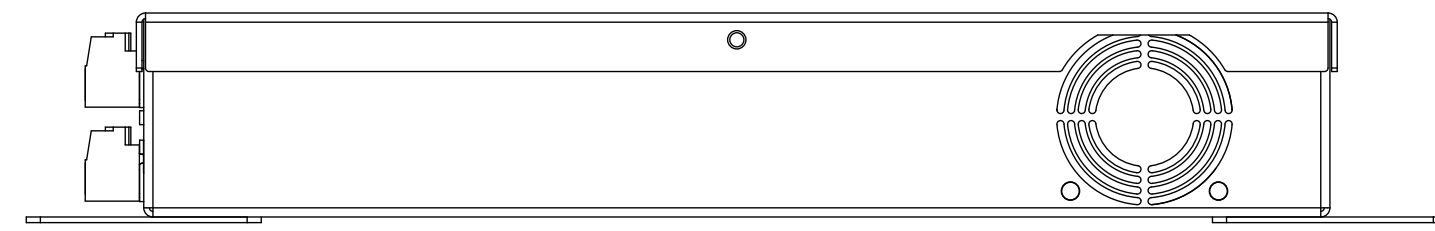
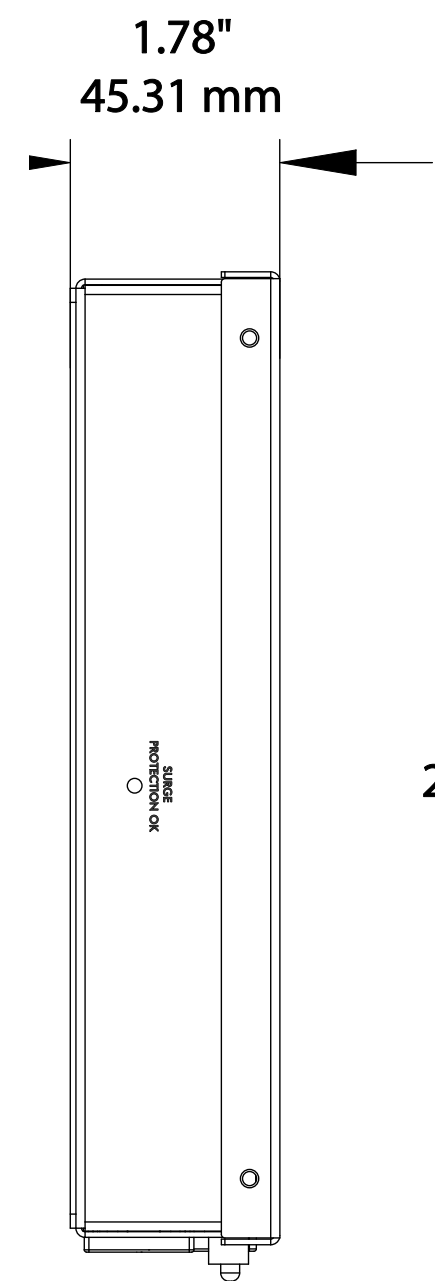
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# UPS

## True Sine Wave with Hot-Swappable Batteries

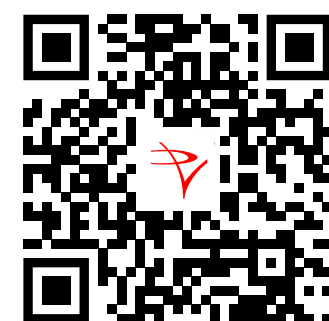
Online double-conversion technology ensures clean, continuous power. Battery backup provides the assurance that downtime will never be an issue. IP-enabled connectivity provides remote monitoring and management.

### Features:

- Online double conversion technology
- True sinewave output
- Controllable receptacles
- Hot swappable battery
- Configurable as tower or 48.26cm rack
- Intuitive LCD screen
- Optional SNMP card to monitor and manage the UPS via the network
- UPS provided by Powervar



Model	Plug Config.	Outlet Config.
17202-53R	16A/IEC C20	4 IEC320-C13 4 IEC320-C13 Optional IP-Controlled
17302-60R	16A/IEC C20	2 IEC320-C13 2 IEC320-C13 Optional IP-Controlled 1 IEC320-C19



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# UPS

## UPS-17202-53R

### TECHNICAL DESCRIPTION

The UPS-17202-53R shall be a two-rack-space unit in a magnetic shielding steel enclosure. It shall operate from 240 volts AC and have an IEC C20 input for the cord. There shall be 8 grounded IEC320-C13 AC receptacles on the back panel, 4 of which are programmable. Overall dimensions shall be 438 mm W x 513 mm D x 86 mm H. Weight shall be 27.22 kg. The UPS-17202-53R shall have a total combined load rating of 9.6 amps at 240 volts, with up to 1800W/2000VA available at the outlets. The unit shall have an LCD, over voltage shutdown, under voltage shutdown, and no transfer time. It shall have monitoring and control functions via wired USB and optional SNMP card.

## UPS-17302-60R

### TECHNICAL DESCRIPTION

The UPS-17302-60R shall be a two-rack-space unit in a magnetic shielding steel enclosure. It shall operate from 240 volts AC and have an IEC C20 input for the cord. There shall be 4 grounded IEC320-C13, 2 of which are programmable and 1 IEC320-C19 AC receptacles on the back panel. Overall dimensions shall be 438 mm W x 685 mm D x 86 mm H. Weight shall be 37.65 kg. The UPS-17302-60R shall have a total combined load rating of 14.4 amps at 240 volts, with up to 2700W/3000VA available at the outlets. The unit shall have an LCD, over voltage shutdown, under voltage shutdown, and no transfer time. It shall have monitoring and control functions via wired USB and optional SNMP card.

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# UPS

## UPS-17202-53R

SPECIFICATIONS	17202-53R
Load Rating	9.6A
Voltage Rating	240V
Power Requirement (no load)	0
Under-Voltage Auto Shutdown	Yes
Over-Voltage Auto Shutdown	Yes
Over-Current Auto Shutdown	Circuit Breaker
Over-Temperature Auto Shutdown	Internal temperature fault shutdown
Network Port	Optional SNMP Card
Serial Port	RS-232 on Female 9-pin D-subminiature USB Type B RJ45 on optional SNMP card
Temperature Sensor Input	None
Auxiliary Relay Outputs	With optional relay card
Contact Closure Input	EPO and optional relay card
Dimensions	438 mm W x 513 mm D x 86 mm H / 17.24" W x 20.20" D x 3.39" H
Weight	27.22 kg / 60 lbs
Temperature Range:	0C to 40C
Humidity Range	< 90% Non-condensing
Agency Listings	UL 1778 CSA-C22.2 No. 107.1

\*\* Specifications subject to change without notice  
SPECS v.082719

## UPS-17302-60R

SPECIFICATIONS	17302-60R
Load Rating	14.4A
Voltage Rating	240V
Power Requirement (no load)	0
Under-Voltage Auto Shutdown	Yes
Over-Voltage Auto Shutdown	Yes
Over-Current Auto Shutdown	Circuit Breaker
Over-Temperature Auto Shutdown	Internal temperature fault shutdown
Network Port	Optional SNMP Card
Serial Port	RS-232 on Female 9-pin D-subminiature USB Type B RJ45 on optional SNMP card
Temperature Sensor Input	None
Auxiliary Relay Outputs	With optional relay card
Contact Closure Input	EPO and optional relay card
Dimensions	438 mm W x 685 mm D x 86 mm H / 17.24" W x 26.95" D x 3.39" H
Weight	37.65 kg / 83 lbs
Temperature Range:	0C to 40C
Humidity Range	< 90% Non-condensing
Agency Listings	UL 1778 CSA-C22.2 No. 107.1

\*\* Specifications subject to change without notice  
SPECS v.082719

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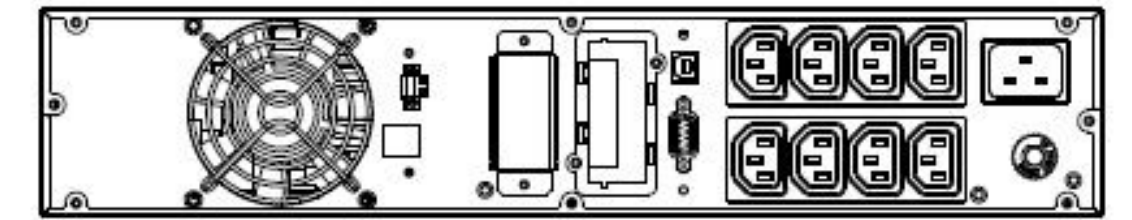
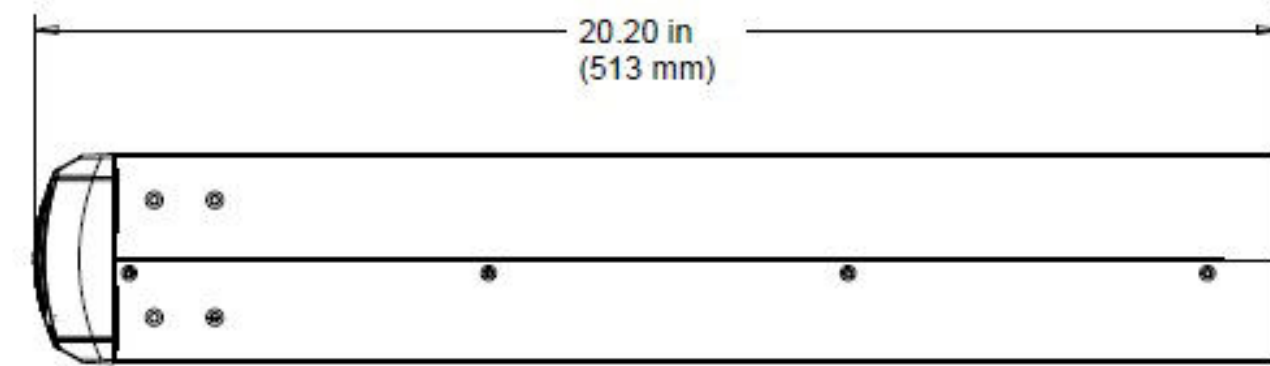
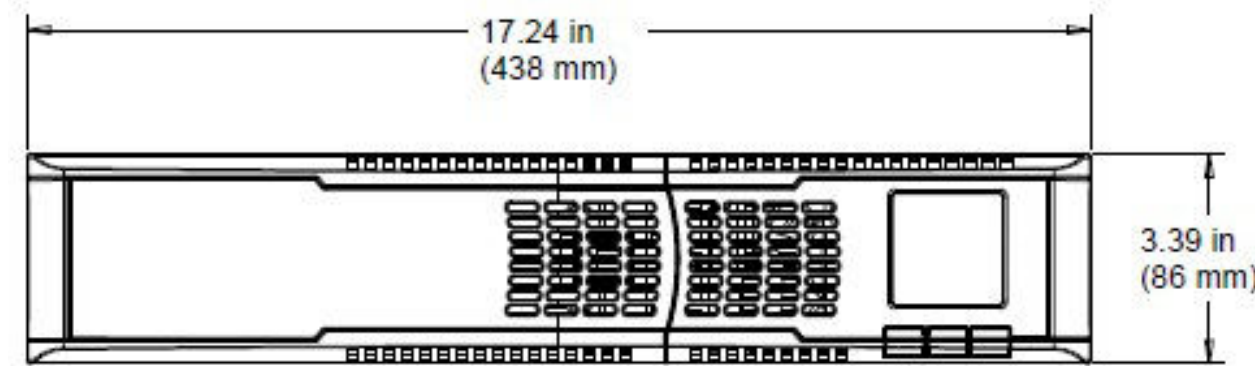
CAD Drawings



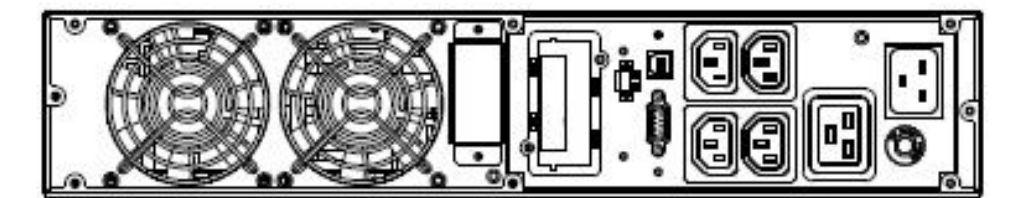
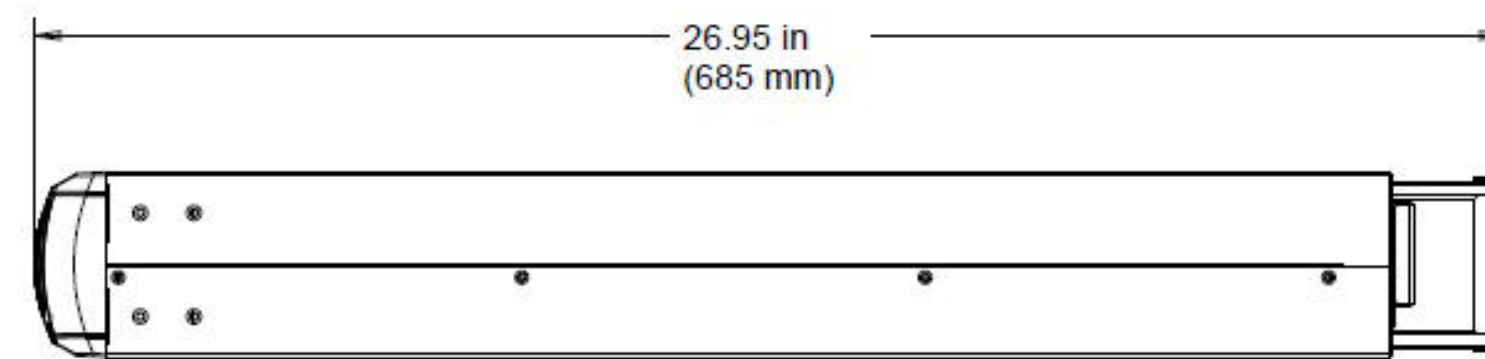
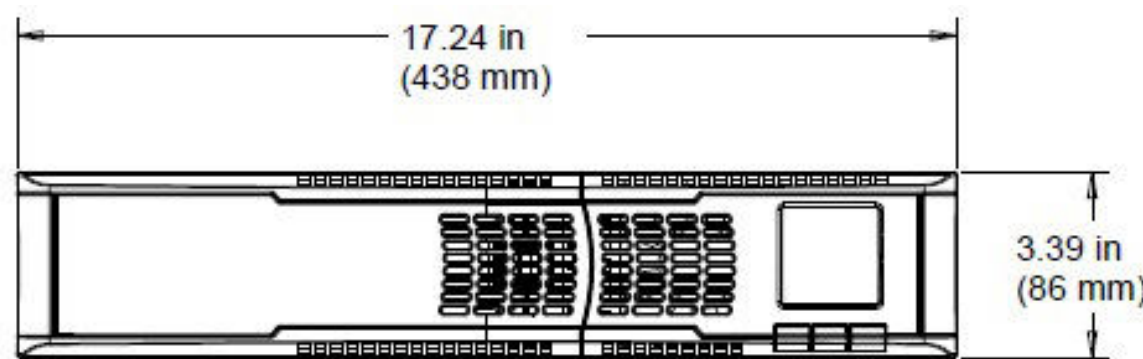


# UPS

## UPS-17202-53R



## UPS-17302-60R



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# Our Integrations

SurgeX solutions are designed to protect and connect in any environment.

Our products provide the highest level of power protection available with the simplicity of cloud-based monitoring + management.

- SURGEX CONNECT
- VERTICAL SERIES+
- DEFENDER SERIES+
- DISPLAYPAK+
- AXESS+
- AXESS ELITE+
- AXESS ELITE
- SQUID
- UPS STANDALONE
- Integration & Technology Guide**
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- Education Technology Solutions
- Control Systems Solutions

	TECHNOLOGIES INCLUDED				FORM FACTOR	INTEGRATIONS												
	POWER PROTECTION	COVS CATASTROPHIC OVER/UNDER VOLTAGE SHUTDOWN	EMI/RFI IMPEDANCE TOLERANT EMI / RFI FILTER	ICE INRUSH CURRENT ELIMINATION		SURGEX CONNECT	CRESTRON CONNECT	CRESTRON SIMPL	CRESTRON Home	Extron	ELAN	REX	Q-SYS	URE	AMX	SAVANT	KRAMER	OMC
Vertical Series+		✓	✓		Rack Mount - External	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Defender Series+		✓	✓		Rack Mount	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
DisplayPak+		✓	✓		Low Profile	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Axess+		✓	✓		Rack Mount	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Axess ELITE+		✓	✓	✓	Rack Mount	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Axess ELITE		✓	✓	✓	Rack Mount		✓										✓	✓
SQUID		✓	✓		Flexible Mount	✓	✓		✓	✓							✓	✓
UPS Standalone <i>(inc SNMP card)</i>		Online double conversion; over/under voltage protection			Standalone	✓												✓

FUTURE

Our Integrations

Our Technology





# SurgeX solutions are designed to protect and connect in any environment.

Our products provide the highest level of power protection available **with the simplicity of cloud-based monitoring + management.**

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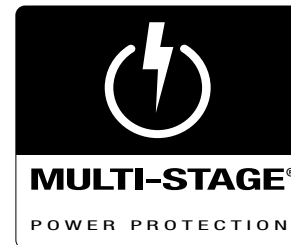
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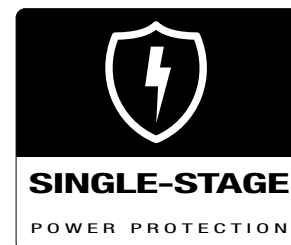
### Advanced Series Mode®

Patented surge protection technology that eliminates surge energy and does not produce ground-wire contamination or common mode disturbances.



### Multi-Stage® Surge Protection Technology

Providing the highest level of protection against damaging surges, spikes, over/under voltage, EMI/RFI noise, and wiring faults.



### Single-Stage Surge Protection Technology

Protection technology safeguards communication and control boards up to 2000V protection to outlets.



### Impedance Tolerant®

EMI/RFI filtering designed to avoid resonant peaks caused by input and output mismatches that can increase interference at certain frequencies.



### COUVS®

Safely powers down your system when the AC supply breaches a safe threshold protecting power supplies from overheating or damage.



### SurgeX ICE®

Counteracts inrush current that can damage equipment. ICE® soft turn-on clamps the initial inrush of current, for total system protection.







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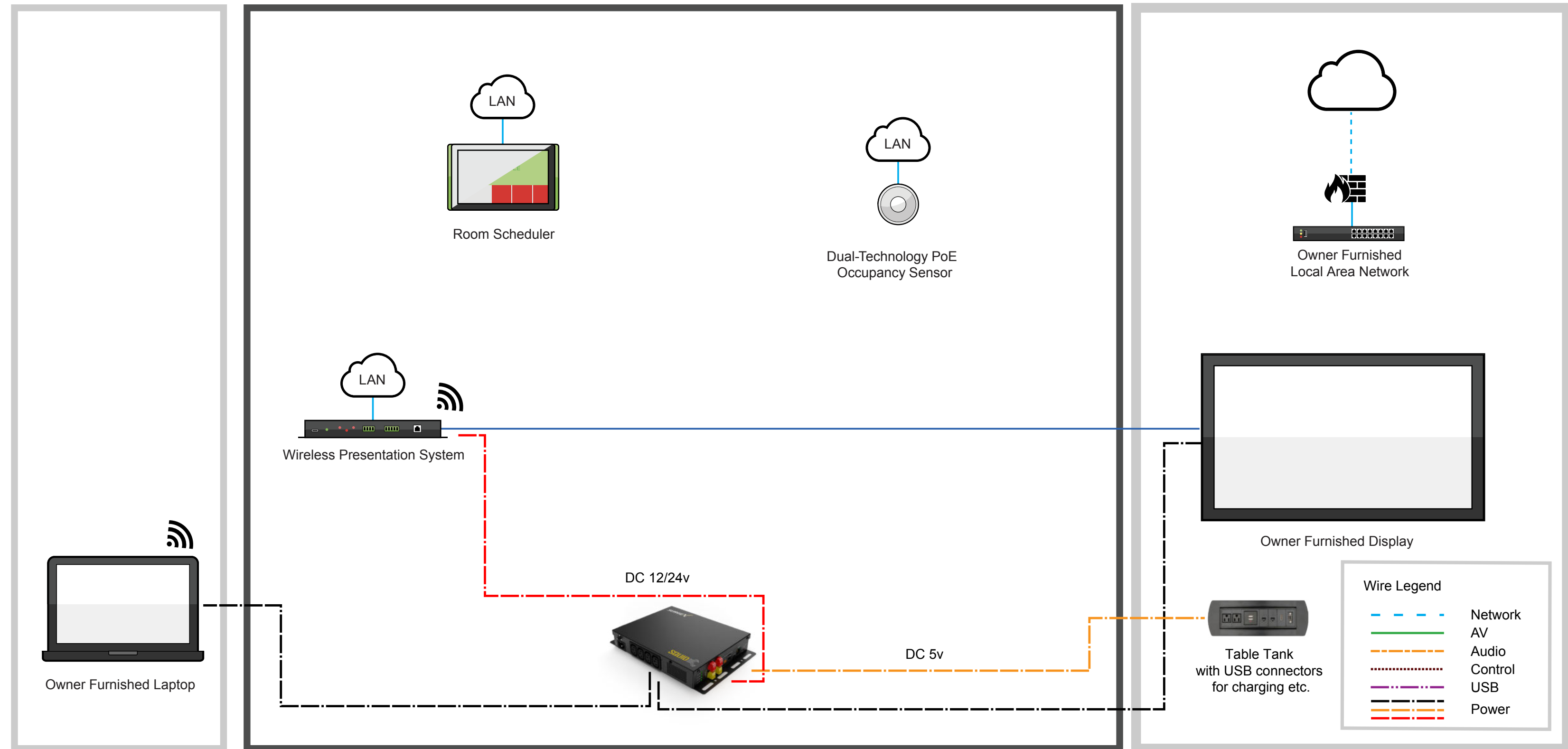
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3rd Party Equipment

AV Ecosystem & SurgeX Equipment

3rd Party Equipment



## Small Spaces, Big Protection + Connectivity

In small spaces like flex environments and huddle rooms, reliable performance, efficient design, and discrete installation are critical to success. SurgeX Low Profile Protect + Connect solutions are built to pack high performance into a compact design. Under the table, behind the TV, in the rack, you choose where to install – we'll provide the protection and give you complete control of your devices and the power environment.

- IP-controlled
- Fleet management with SurgeX CONNECT
- Multi-stage protection
- Power usage monitoring
- Remote On/Off
- Energy savings
- Compact form factor



VERTICAL SERIES+

DISPLAYPAK+





VERTICAL SERIES+

DEFENDER SERIES+

DISPLAYPAK+

AXESS+

AXESS ELITE+

AXESS ELITE



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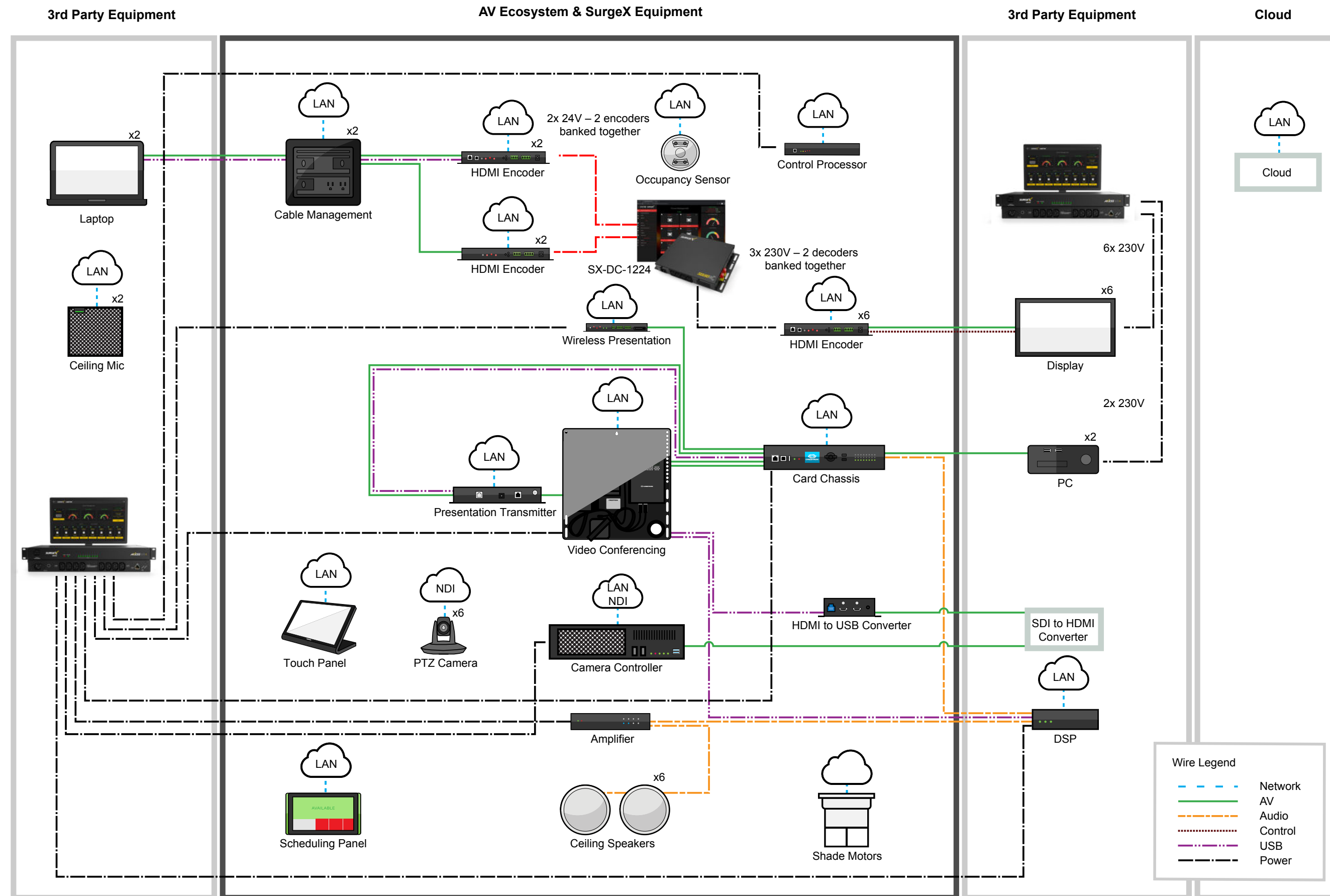
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## The Power Behind the Experience

You've created the ultimate hybrid meeting experience. Now take remote control of your devices and protect them at the same time. SurgeX Protect + Connect solutions offer advanced power protection with cloud-based connectivity for effortless, remote monitoring, management, and individual control of all the devices in the AV ecosystem.

IP-controlled

Remote management and control of connected devices

Monitor energy consumption per device

Real-time diagnostics and analytical insights

Advanced Series Mode® surge elimination technology

Individual device sequencing



VERTICAL SERIES+

DISPLAYPAK+

AXESS ELITE+



UPS STANDALONE





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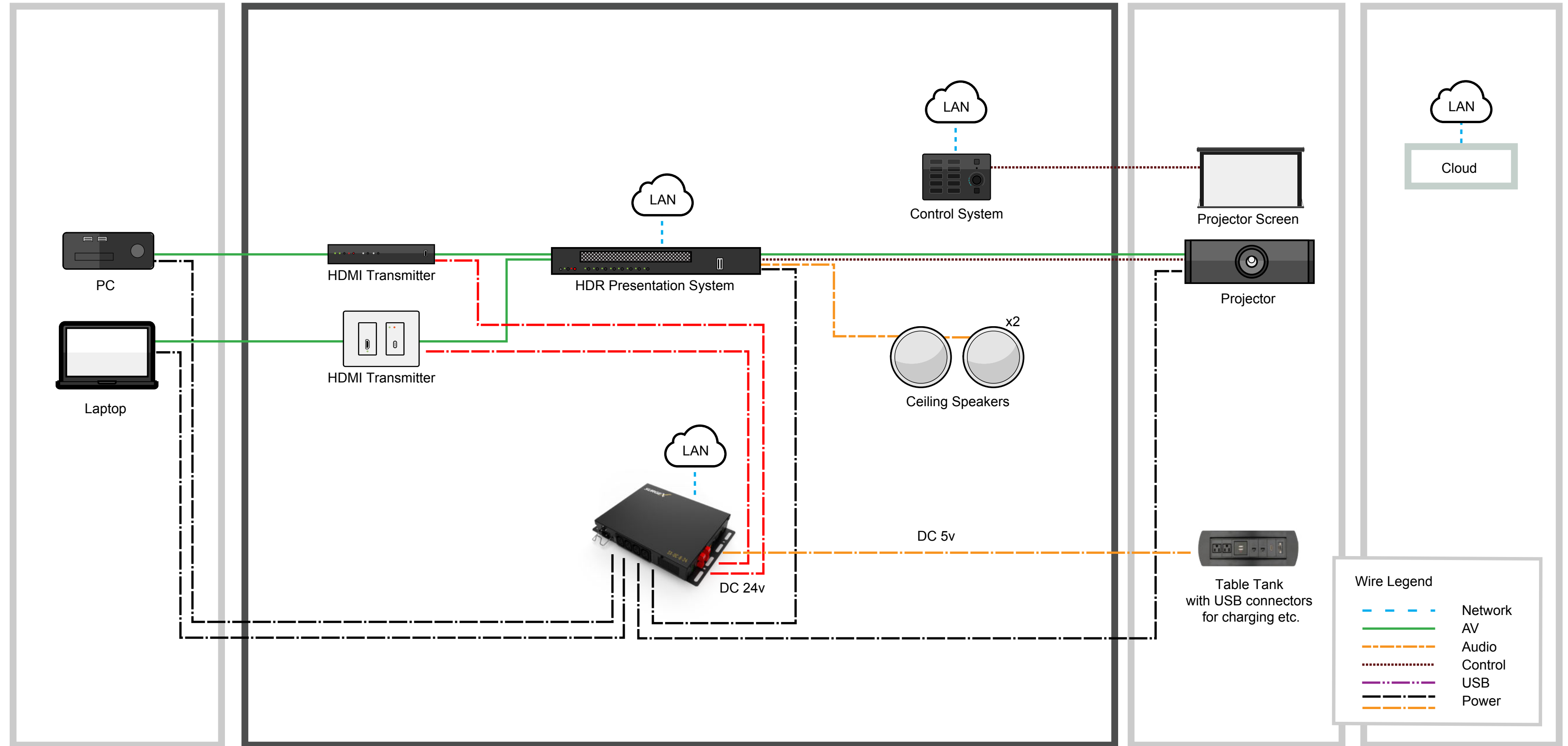
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3rd Party Equipment

AV Ecosystem & SurgeX Equipment

3rd Party Equipment

Cloud



## Less Tech Time, More Teaching Time

AV management just got a whole lot easier. The SurgeX SQUID provides a central hub for connecting and managing all your classroom AV equipment. Remote control and management of equipment allows educators to focus on teaching, not technology.

- IP-controlled
- Fleet management with SurgeX CONNECT
- Multi-stage protection
- Power usage monitoring
- Remote On/Off
- Energy savings
- Compact form factor



DISPLAYPAK+



UPS STANDALONE





SURGEX CONNECT

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DEFENDER SERIES+

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AXESS ELITE+

AXESS ELITE

SQUID

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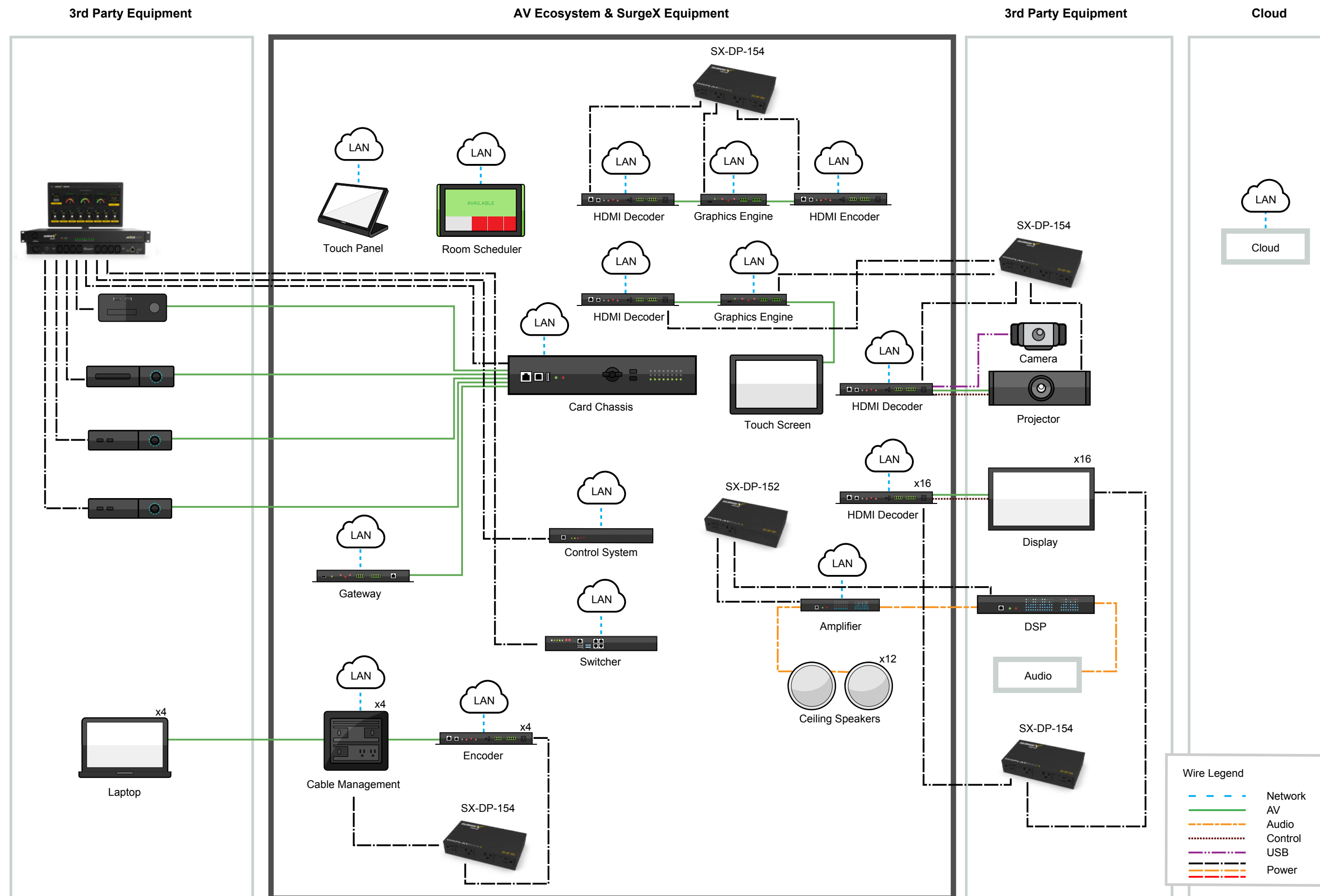
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## UPS STANDALONE

### Backup Power When You Need It

SurgeX Standalone UPS backup solutions utilize online double-conversion technology to ensure clean, continuous power to your system. Battery backup provides the assurance that downtime will never be an issue. IP-enabled connectivity provides remote monitoring and management.

- IP-controlled
- Online double-conversion
- Clean, continuous power
- Battery backup
- Hot swappable batteries
- Remote monitoring and management



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AXESS ELITE+

SQUID

UPS STANDALONE