Unison Echo Products
Quick Info Guide

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ETC.

Echo Control Products

Inspire 1 Button

EchoConnect:	1 - Control
Aux Power:	Not required

Inspire 2 Button

EchoConnect:	1 - Control
Aux Power:	Not required

Inspire 4 Button

EchoConnect:	1 - Control
Aux Power:	Not required

Inspire 6 Button

EchoConnect:	1 - Control
Aux Power:	Not required

Inspire 8 Button

EchoConnect:	1 - Control
Aux Power:	Not required

Inspire 4 Btn Fader

EchoConnect:	1 - Control
Aux Power:	Not required

5 Button Preset

EchoConnect:	1 - Control
Aux Power:	Not required

10 Button Preset

EchoConnect:	1 - Control
Aux Power:	Not required

Lockout Station

EchoConnect:	1 - Control
Aux Power:	Not required

Dual Tech 1 Button

EchoConnect:	1 - Control
Aux Power:	Not required

Dual Tech 2 Button

EchoConnect:	1 - Control
Aux Power:	Not required

PIR Occupancy Vacancy Sensor

EchoConnect:	1 - Control
Aux Power:	Not required

Light Sensor

EchoConnect:	1 - Control
Aux Power:	Not required

Dual Tech Ceiling Sensor

EchoConnect:	1 - Control
Aux Power:	Not required

Dual Tech Wall Sensor

EchoConnect:	1 - Control
Aux Power:	Not required

EchoAccess® Interface

EchoConnect:	1 - Control*
Aux Power:	-50 mA

TimeClock

EchoConnect:	1 - Control
Aux Power:	-40 mA

Contact Interface Input

EchoConnect:	1 - Control
Aux Power:	-40 mA

Demand Response Interface

EchoConnect:	1 - Control
Aux Power:	-40 mA

BACnet Interface

EchoConnect:	1 - Control
Aux Power:	-100 mA or PoE

*see FAQs on page 4

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Echo Output Products

1 Zone Relay Controller Gen2

EchoConnect:	1 - Output
Aux Power:	Not required
# Of Spaces:	1
# Of Presets:	16

2 Zone Relay Controller Gen2

EchoConnect:	1 - Output
Aux Power:	Not required
# Of Spaces:	1
# Of Presets:	16

1 Zone 0-10V Controller Gen2

EchoConnect:	1 - Output
Aux Power:	Not required
# Of Spaces:	1
# Of Presets:	16

2 Zone 0-10V Controller Gen2

EchoConnect:	1 - Output
Aux Power:	Not required
# Of Spaces:	1
# Of Presets:	16

1 Zone SmartSpace Controller Gen2

EchoConnect:	1 - Output
Aux Power:	Not required
# Of Spaces:	1
# Of Presets:	16

2 Zone SmartSpace Controller Gen2

EchoConnect:	1 - Output
Aux Power:	Not required
# Of Spaces:	1
# Of Presets:	16

120V Phase Adaptive Dimmer Gen2

EchoConnect:	1 - Output
Aux Power:	Not required
# Of Spaces:	1
# Of Presets:	16

277V Phase Adaptive Dimmer Gen2

EchoConnect:	1 - Output
Aux Power:	Not required
# Of Spaces:	1
# Of Presets:	16

4 Zone Room Controller Gen2

EchoConnect:	1 - Output
Aux Power:	Not required
# Of Spaces:	Max 4
# Of Presets:	16

8 Zone Room Controller Gen2

EchoConnect:	1 - Output
Aux Power:	Not required
# Of Spaces:	Max 8
# Of Presets:	16

4 Zone Room Controller w/ TC Gen2

EchoConnect:	1 - Output
Aux Power:	Not required
# Of Spaces:	Max 4
# Of Presets:	16

8 Zone Room Controller w/ TC Gen2

EchoConnect:	1 - Output
Aux Power:	Not required
# Of Spaces:	Max 8
# Of Presets:	16

DRd With Echo

EchoConnect:	1 - Output
Aux Power:	Not required
# Of Spaces:	Max 16
# Of Presets:	64

Echo Relay Panel Feedthrough

EchoConnect:	1 - Output
Aux Power:	Not required
# Of Spaces:	Max 16
# Of Presets:	64

Echo Relay Panel Mains Feed

EchoConnect:	1 - Output
Aux Power:	Not required
# Of Spaces:	Max 16
# Of Presets:	64

SensorIQ

EchoConnect:	1 - Output
Aux Power:	Not required
# Of Spaces:	Max 16
# Of Presets:	64

Sensor3

EchoConnect:	1 - Output
Aux Power:	Not required
# Of Spaces:	Max 16
# Of Presets:	64

EchoDIN CE (CE Projects Only)

EchoConnect:	1 - Output
Aux Power:	Not required
# Of Spaces:	Max 16
# Of Presets:	64

DMX Scene Controller

EchoConnect:	1 - Output
Aux Power:	-150 mA
# Of Spaces:	1
# Of Presets:	16

Echo-Echoflex Interface

EchoConnect:	1 - Output
Aux Power:	-50 mA
# Of Spaces:	1
# Of Presets:	16

Contact Output Interface

EchoConnect:	1 - Output
Aux Power:	-40 mA
# Of Spaces:	1
# Of Presets:	16

EchoTouch Controller

EchoConnect:	1 - Output
Aux Power:	-400 mA or PoE
# Of Spaces:	1
# Of Presets:	64

Echo Power Supplies

E-SPS	E-APS (Aux Power Only)	Room Controller	Echo Control Processor	CEM3	E-SPS-DIN

Provides:		Provides		Provides:		Provides:		Provides:		Provides:	
Control	6	Control	None	Control	6	Control	6	Control	6	Control	16
Output:	6	Output:	None	Output:	5	Output:	5	Output:	5	Output:	16
Aux Power:	None	Aux Power:	+160 mA	Aux Power:	+40 mA*	Aux Power:	None	Aux Power:	None	Aux Power:	+1500 mA

*For use with optional installed TimeClock

E-SPM	E-SPM-A	E-SPM-WM	E-SPM-WM-A	E-SPM-RM	E-SPM-RM-A

Provides:		Provides:		Provides:		Provides:		Provides:		Provides:	
Control	16	Control	16	Control	16	Control	16	Control	16	Control	16
Output:	16	Output:	16	Output:	16	Output:	16	Output:	16	Output:	16
Aux Power:	None	Aux Power:	+1500 mA	Aux Power:	None	Aux Power:	+1500 mA	Aux Power:	None	Aux Power:	+1500 mA

Echo Expansion Bridge

EchoConnect:	Does Not Count
Aux Power:	100 mA or PoE

The Echo Expansion Bridge provides three functions:

-Provide a wireless connection for the EchoAccess mobile app through a connected Wireless Access Point (WAP).
-Combine up to four EchoConnect Power Supples to create larger Echo control systems.
-Facilitates communication between Echo and Paradigm, allowing Paradigm to control Echo and Echo to tell Paradigm it's status.

System:
- Segment 1 — 1 Power Supply — Max 16U
- Segment 2 — 1 Power Supply — Max 16U
- Segment 3 — 1 Power Supply — Max 16U
- Segment 4 — 1 Power Supply — Max 16U
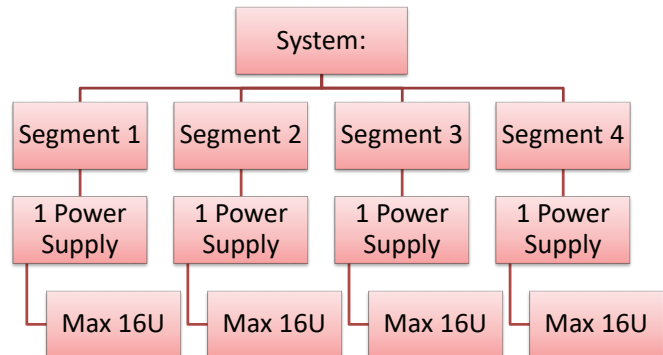
Echo Frequently Asked Questions

Q: What Does a Distributed System mean?

A: In Echo control systems all of the intelligence is share between all of the interconnected devices instead of a centralized control processor. For example, this means that each Output Device stores its own preset information and sends it's status information out to the rest of the connected devices.

Q: EchoConnect power supplies are measured in "U"s. What's a "U"?

A: A "U" is a unit of power measurement. A unit counts as one control product and one output product. For example, a 6U power supply would power 6 control products and 6 output products.

Q: When should I use a 6U vs a 16U power supply?

A: If you have more than 6 control products (stations, sensors, access, etc.) or more than 6 output products (zone controllers, panels, DMX Scene, etc.)

Q: When do I need Aux power?

A: If you have a TimeClock, EchoAccess, DMX Scene Controller, Echo-Echoflex Interface, Echo Contact Interface, BACnet Interface, Echo Expansion Bridge or EchoTouch you need an Aux power unit.

Q: Do I have to use ETC's EchoConnect Station Power Supplies?

A: Yes. An EchoConnect power supply is required in all Echo systems and are only available from ETC.

Q: Do I have to use ETC's 24V Aux for auxiliary Power?

A: No. Any 24 volt power supply will work. It is not required to be provided by ETC but it is required by the products.

Q: What does it mean that EchoAccess is a bonus power-wise?

A: The first EchoAccess in a system does not count against your power supply count. So you can have 7 stations on a 6U power supply if one is an EchoAccess station.

Q: Can I use more than one power supply?

A: Without an Expansion Bridge, no. Only one power supply may be used at a time. Output products that also have power supplies in them have the option to have the power supply turned off.

Q: What if I need more than 16 stations?

A: Add an Echo Expansion Bridge! That will give you a new max of 64U. But remember, you'll still need power supplies to account for all the products.