



Type(s)
Project
Date
Notes

GENERAL INFORMATION

The Eos Apex 20 console is engineered for comfort and customization, with generous programming surfaces and the power to run complex lighting and media rigs. As the largest and most luxurious of ETC’s flagship lighting control line, the Eos Apex 20 is the ultimate hands-on, professional workspace – powered by the award-winning Eos control software.

Apex hardware is designed to remain state-of-the-art for years to come. Top-of-the-line features include customizable Target keys for Direct Selects, a built-in soft keypad, book lights for paperwork, drawers for accessories, dual-axis folding displays, and generous encoder tools for LEDs, moving lights, and media control. The Eos Apex 20 offers more playbacks than any other Eos Family console, providing tactile rig control for even the largest venues and productions.

Eos Family software includes:

- Approachable yet powerful syntax for programmers of every level
- Industry-leading color control tools
- Magic Sheets for custom programming and displays
- Augment3d 3D programming and visualization environment
- Virtual Media Server function for pixel-mapping
- Timecode and automation integration
- Multi-user and multi-programmer working environment

For drawings, photos, and more, visit the [Eos Apex 20](http://Eos.Apex.20) product webpage. To explore the latest software features, accessories, and other Eos Family products, visit etconnect.com/Eos.

ORDERING INFORMATION

EOS APEX 20

MODEL	DESCRIPTION	PART NUMBER
EOS APEX 20	Eos Apex 20, 24,576 outputs	4450A1001 *
EOS APEX PROC	Eos Apex Processor, 24,576 outputs	4450A1021 *

* Add -US for Edison, -EU for Schuko/UK13A, -AZ for Australasian Type I

All models are available without wireless radios (WiFi and Bluetooth). Please contact ETC for ordering information.

For projects requiring more than 24K of output, please contact ETC.

SHIPS WITH:

- One three-button scroll mouse and mousepad
- Cherry tenkeyless backlit alpha-numeric keyboard
- Locking regionalized IEC power cord
- Two 24-inch LED gooseneck Littlites
- Augment3d AR target kit
- Dust cover



EOS APEX 20 ACCESSORIES

MODEL	DESCRIPTION	PART NUMBER
SFP+10GB-SM-LC	SFP+ 10GB-SM-LC SFP+ 10GB Sled, single-mode fiber, Duplex LC connector *	N1126
SFP+10GB-MM-LC	SFP+10GB-MM-LC SFP+ 10GB Sled, multi-mode fiber, Duplex LC connector *	N1127
SFP+10GB-CP-RJ	SFP+10GB-CP-RJ SFP+ 10GB Sled, copper, RJ45 connector *	N1128
SFP+1GB-SM-LC	SFP+1GB-SM-LC SFP+ 1GB Sled, single-mode fiber, Duplex LC connector *	SGN1019
SFP+1GB-MM-LC	SFP+1GB-MM-LC SFP+ 1GB Sled, multi-mode fiber, Duplex LC connector *	SGN1021
SFP+1GB-CP-RJ	SFP+1GB-CP-RJ SFP+ 1GB Sled, copper, RJ45 connector *	TBD
EOS APEX IO KIT - DMX	I/O Garage DMX Kit to include: 4 DMX Gadget II units (8 ports DMX-OUT total)	4450K1020
EOS APEX IO KIT - SHWCNTRL	I/O Garage Show Control Kit to include: 2 DMX Gadget II units (4 ports DMX-OUT total), 1 MIDI Response Gateway (In/Thru/Out), 1 SMPTE Response Gateway (3-pin XLR In)	4450K1030
GADGET2	Gadget II, 2 ports DMX-OUT, for use in I/O Garage	4267A1004
RSN-SMPTE-P	Response SMPTE Gateway, for use in I/O Garage	4267A1007
RSN-MIDI-P	Response MIDI Gateway, for use in I/O Garage	4267A1009
RSN-SERIAL-P	Response Serial Gateway, for use in I/O Garage	4267A1011
EOS MFW 10	Eos Motorized Fader Wing 10	4240A1021 †
EOS MFW 20	Eos Motorized Fader Wing 20	4240A1022 †
EOS REM INT	Eos Remote Interface	4450A1041 †
ETCNOMAD BASE	Client Software Key Kit	4380A1011
EOS APEX 20 FC	Eos Apex 20 Flight Case	PSR1108

* For a complete list of ETC-qualified transceivers, visit etcconnect.com/Products/Consoles/Eos-Consoles/Apex/IO-Garage.aspx

† Add -US for Edison, -EU for Schuko/UK13A, -AZ for Australasian Type I

HARDWARE AND INTERFACES

- Two 27-inch 4K multi-touch LCD touchscreens, in an articulating dual-axis display panel
- Supports three external display port monitors (1920x1080 minimum, 3840x2160 maximum), with optional single-touch or multi-touch screen control and DDC/CI support
- 20 60 mm motorized faders, 100 10-fader pages for configurable faders, for channel, submaster and palette/preset, timing and effect rate/speed playback control
- Twenty backlit scroll wheel faders with button, 100 10-fader pages for configurable faders, for channel, submaster and palette/preset, timing and effect rate/speed playback control
- Four 5-inch high-resolution fader displays, with multi-touch and haptic touch feedback
- Main Playback with two 60 mm motorized faders, and display load buttons
- Five banks of 10-button user-definable Target Keys
- Six force-feedback encoders for non-intensity parameter control
- Eight backlit mini encoders for non-intensity parameter control, plus one mini encoder for navigation
- Dedicated 10.1-inch high-resolution encoder display
- Dedicated high-resolution intensity level wheel
- Backlit expanded Eos keypad
- 6.3-inch keypad touchscreen, with haptic touch feedback, servicing softkeys and custom user layouts
- Built-in keyboard tray, with USB A & C ports
- Built-in accessory tray, with USB A & C ports and dedicated 5-volt/2-amp USB-A charging port
- One front-facing 5-volt/2-amp USB-A dedicated charging port
- Two independently dimmable warm-white LED booklights to illuminate adjacent surfaces
- Solid-state hard drive
- Dedicated graphics processing
- IEC power input (100–240 VAC at 50/60 Hz), inset power switch with integrated breaker, locking regionalized power cable included
- Four individually configurable Gigabit Ethernet ports, etherCON connectors, PoE++ (802.3bt compliant PSE)
- Two individually configurable 10-Gigabit SFP+ ports, which accept modules for copper, single-mode fiber, or multi-mode fiber connections
- One 802.11ac WiFi Ethernet adapter (to be enabled with future software)
- Bluetooth 5.1 for connecting input accessories (to be enabled with future software)
- sACN and Art-Net network output protocols
- USB 3.1 ports, for flash drives, pointing devices, keyboards (12 USB-A ports, 8 USB-C ports)
- Two Littlite XLR ports
- Two Kensington lock ports
- I/O Garage with four bays, which accept Response backpack-style show control gateways, or Gadget II DMX output modules
- Multiple MIDI and/or SMPTE timecode inputs, MIDI In and Out, Analog/Serial Inputs, OSC transmit/receive, UDP transmit/receive through network interface or Response Gateways

EOS APEX 20 DIMENSIONS AND WEIGHTS *

MODEL	HEIGHT		WIDTH		DEPTH		WEIGHT	
	mm	in	mm	in	mm	in	kg	lb
Eos Apex 20	499	19.64	1422	56.00	648	25.53	66.68	147
Eos Apex 20 in shipping container	324	12.75	1524	60.00	794	31.25	TBD	TBD
Eos Apex 20 in flight case	926	36.45	388	15.25	1582	62.25	TBD	TBD

* Dimensions and weights typical

ELECTRICAL AND THERMAL

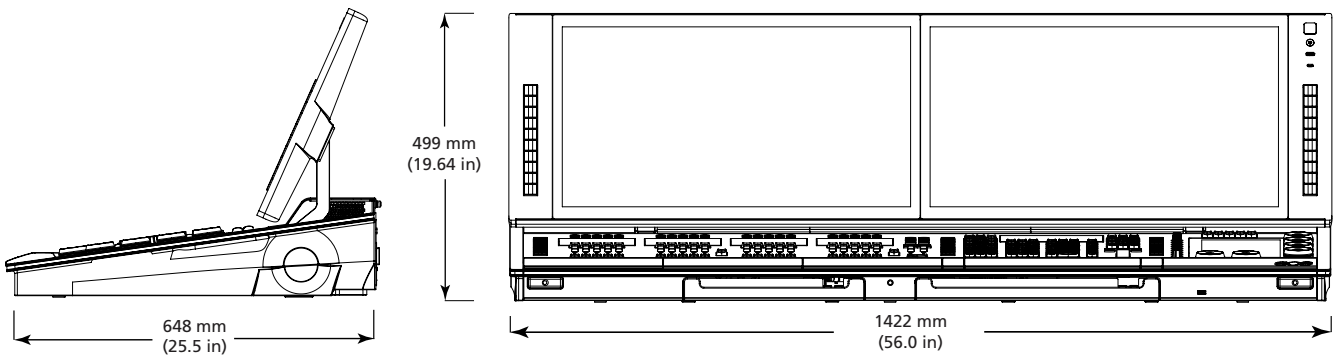
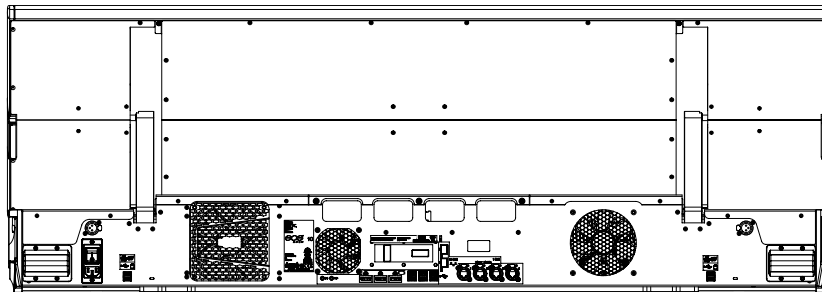
- Power consumption approximately 6 A at 120 V or 230/240 V
- Ambient room temperature 0°–35°C (32°–95°F)
- Ambient humidity up to 90% non-condensing



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REGULATORY AND COMPLIANCE

- CE compliant
- cETLus listed
- UKCA marked
- FCC compliant
- RoHS compliant
- WEEE



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