



INNOVATIVE  
DIGITAL MIXING CONSOLE

SOUNDKING  
**DX32**  
SERIES





British high-end mixing console  
brand founded in **1968**



Known as the Rolls Royce in the international professional audio field,  
He has left behind classic sounds in both recording production  
and live sound reinforcement,  
Create a legend that is difficult to surpass.

**INNOVATIVE DIGITAL MIXING CONSOLE SOUNDKING DX32 SERIES**  
inherit the outstanding gene of Cadac, and have achieved  
a digital technological leap in many aspects such as  
Cadac's classic voice amplification and signal link.  
Integrating the precision technology of Cadac digital DSP  
and the wide dynamic and low bottom noise voice  
amplification technology, they have inherited the  
outstanding gene from the analog J-TYPE to the digital  
CM-J50, and are ceiling level products of the same grade  
of digital sound tuning stations with sound quality.



# DX32

SERIES

## DIGITAL MIXING CONSOLE

### Four specifications

DX3232 32 IN / 16 OUT

DX3224 24 IN / 8 OUT

DX3216 16 IN / 14 OUT

DX3208 8 IN / 8 OUT

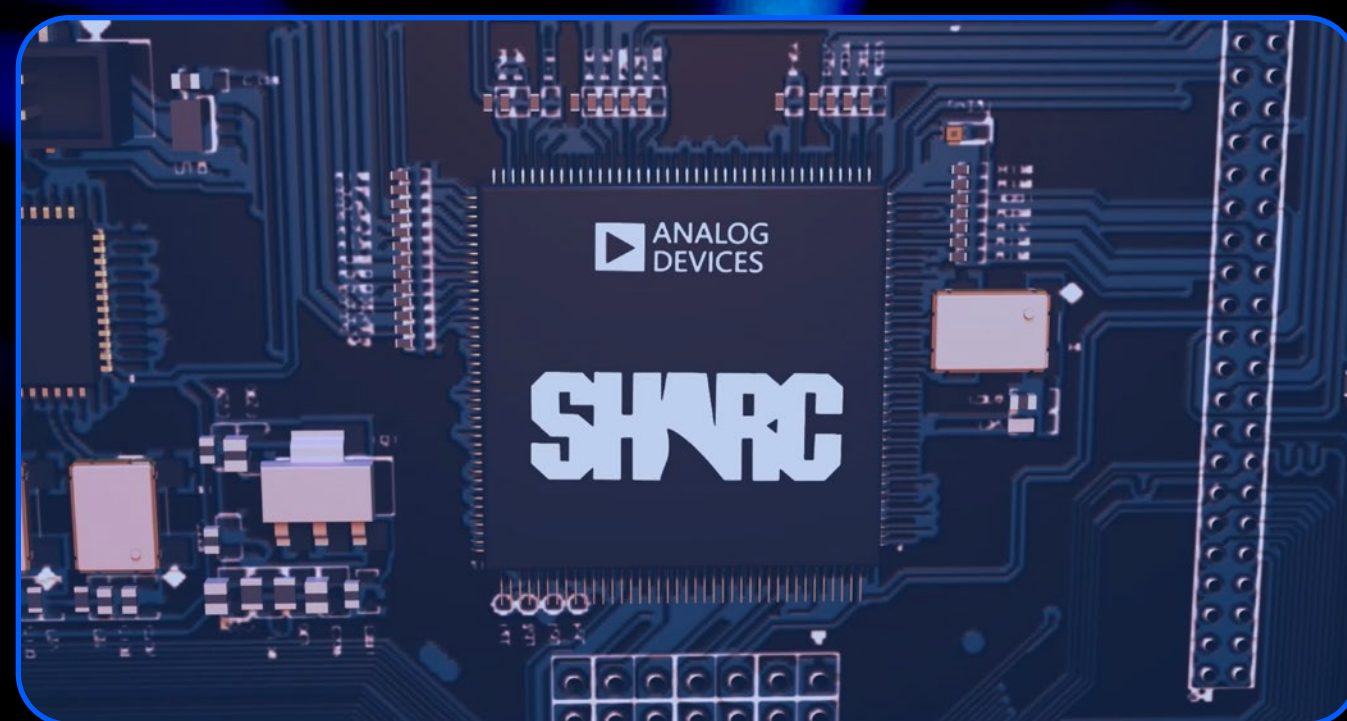
### Application

Portable performance, conference and other fixed installation projects, recording, live broadcast, large digital network sound reinforcement system





# CORE PERFORMANCE



## Powerful processing and pure sound quality

Adopting a DSP core processor with a clock frequency of up to 1GHz, dual SHARC+cores, and a sampling rate of 96kHz, the DSP algorithm uses high-precision floating-point operations to ensure that the audio signal maintains extremely high clarity and dynamic range during processing. Equipped with high-quality microphone pre amplifier and AD/DA converter, providing clear and exquisite sound quality.



## Automatic delay management

It has a powerful automatic delay management system that can manage all internal routing and related processing delays, ensuring that all audio samples are synchronized before summation, thereby providing phase consistency at all output ends.



## Intuitive and efficient user interface

Equipped with a 13.3" high-resolution touchscreen display, providing clear visual effects, all parameters and settings are clear at a glance. The simple and intuitive graphical interface, combined with multi-functional physical knob and fader, can improve the operation efficiency while fine control, so that even novices can get started quickly.



# CORE PERFORMANCE



## Powerful FPGA routing processing capability

The flexible routing function provides audio engineers with great creative freedom and command ability. Whether it is live performance, studio production or broadcast application, it can meet complex audio processing requirements through its powerful routing function.



## Flexible construction of scene based audio system

By integrating the D-Link audio network protocol and digital stage box, end-to-end transmission functionality is achieved to enhance flexibility and availability.



## Flexible expansion and diversified application

Rich analog input/output capabilities, support dual/multi track recording, and improve processing capacity or I/O interface as required. It is a core apparatus suitable for multiple sound reinforcement purposes.



## Multi platform remote control

It supports remote control through HTML5 compatible browser without installing application software, realizing remote control with smooth and flexible operation.



# INNOVATION HIGHLIGHTS



13 100mm electric motor fader



Channel dual function knob



9 custom function keys



2 custom fader layers



Innovative design of backboard lighting LED lights



High quality speakers and AD/DA converters



Each channel is equipped with EQ/dynamic processors



12 way bus/4 way effector fast fader transmission key



6 DCA/mute marshalling



24 effector plug-ins



Built in media player/recorder



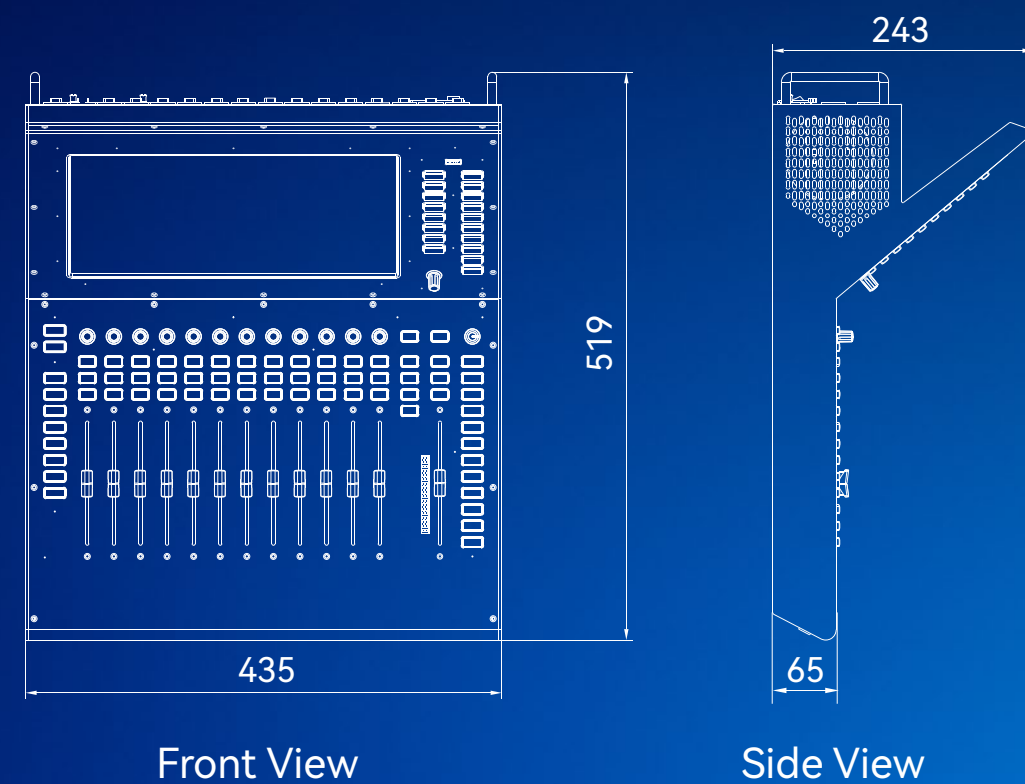
Sound and image movement is natural and realistic



# PRODUCT DETAILS



- 1 13.3" HD Display
- 2 Main Navigation Buttons
- 3 USB Port
- 4 Customizable Function Keys
- 5 Multi-function Control Knob
- 6 Multi-function Knob/Button Combo
- 7 Layer Select Button
- 8 Channel Select, SOLO, Mute Buttons & Fader
- 9 Quick Bus Send Select Button
- 10 Headphone Volume Knob & Clear All SOLOs Button
- 11 Output Section: Select, SOLO, Mute Buttons & Master Fader



Size(L x W x H)  
435 x 519 x 243mm

Model	DX3232	DX3224	DX3216	DX3208
Max Input Channels	32 x Mono			
FX Bus Channels	4 x Stereo			
Bus Output Channels	12 x Stereo			
Matrix Output Channels	6 x Stereo			
Main Output Channels	Configurable as: LCR or LR+Mono			
Solo Monitor Channels	1 x Stereo			
Solo Phones Channels	1 x Stereo			
Automixer	Supports 2 groups, Max 32 ch custom			
Built-in FX Plugins	24 x Stereo FX Slots (Delay, Reverb, Mod) (Custom)			
Sample Rate	96kHz / 48kHz			
Display	13.3" Touchscreen			
Scene Memory	Yes			
Memory Bank	Yes			
Mute Group	6			
DCA Group	6			
USB Player	MP3 / WAV Playback			
Signal Routing	I/O Signal Routing			
User	Custom: Ch Name, Color, Layer, Keys, Bus, FX			
Faders	13 x Faders			
Physical Knobs	13 Knobs (Quick GAIN / PAN / BAL / Param)			
Custom Keys	9 x Custom Keys			
Custom Layer	2 x Custom Layers			
Local Microphone Input	24 x XLR + 8Combo	16 x XLR + 8Combo	16 x XLR	8 Combo
Local Line Inputs	/	/	2 x TRS (6.35mm) + 1 x TRS (3.5mm) Stereo	/
Local Analog Outputs	16 x XLR	8 x XLR	14 x XLR	8 x XLR
Phones Outputs	1 x 6.35Jacks			
Local Inputs-Digital	1 x XLR AES / EBU			
Local Outputs-Digital	1 x XLR AES / EBU			
Digital Stagebox	2 x D-Link (lockable RJ45 connector supporting Digital Stage Box D3216 / D1608)			
USB	3 x USB Type-A			
LAN (Ethernet)	1 x RJ-45 1000M			
GPIO Control	RS485 Support			
Expansion Slots	1 Slot (USB1616 / AES1616 Compatible)			
Remote Control	Web Remote (Cross-Platform)			
19" Rack Mount	Yes			

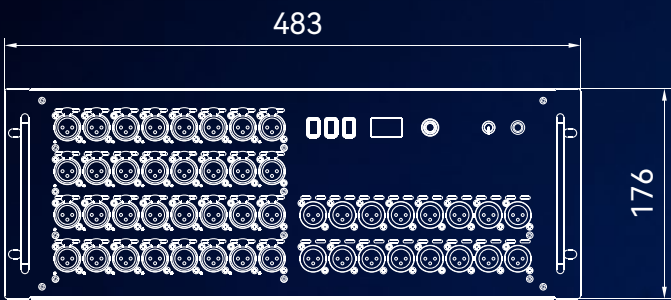


SELECT ACCESSORIES



Digital Stage Box

Model	D3216	D1608
Microphone input	32XLR	16XLR
Analog Output	16XLR	8XLR
Phone output	1 x 6.35Jacks	1 x 6.35Jacks
D-Link interface	2 x lockable RJ45 connector	2 x lockable RJ45 connector
USB	1 x USB Type-A	1 x USB Type-A
Size(L x W x H)	483 x 394 x 176mm	483 x 394 x 88mm



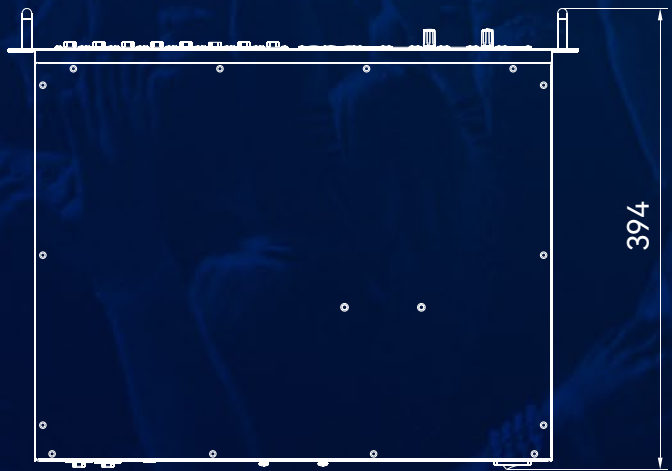
Front View



Top View



Front View



Top View

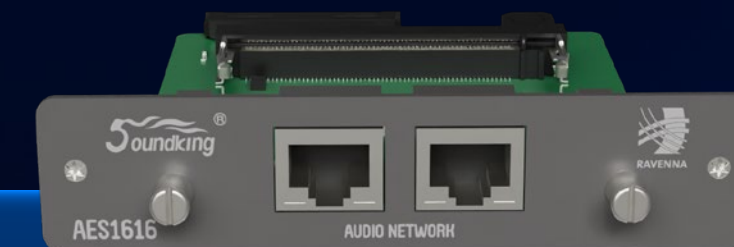


## SELECT ACCESSORIES



### USB Multitrack Recording Expansion Card **USB1616**

Directly connect DAW apparatus to realize two-way audio transmission, and provide 16 in/16 out professional multi track recording and playback



### AES67 Network Transmission Expansion Card **AES1616**

Compatible with mainstream digital audio transmission protocols



### Customized Flight Case





# TOPOLOGY DIAGRAM





# C32 SERIES RACK MOUNTED DIGITAL MIXING CONSOLE

## Three specifications

**C3232** 32 IN / 16 OUT

**C3224** 24 IN / 8 OUT

**C3208** 8 IN / 8 OUT



## Mixing Ability

32 mono channels for input channels, 4 stereo channels for FX bus, 12 stereo channels for BUS bus, LCR or LR+M allocation for MAIN bus, 6 stereo channels for MTX bus, and 1 stereo bus channel for SOLO Monitor and SOLO Phones respectively.

## Auto-mixing

Gain sharing auto-mixing technology is adopted to provide transparent fade in and fade out effect to avoid sharp, intermittent sounds or changes in background noise. In a multi microphone environment, the transition of speakers is smooth and consistent.

## Multi Platform Command

It supports the simultaneous command of multiple apparatus through the network interface, and is compatible with mainstream operating systems such as iOS, Android, Windows, Mac OS and Linux. The efficient UI panel layout makes all important command elements easy to command, improves the operation efficiency, and makes the operation simple and understandable.

## Network Connection

Realize remote command, audio transmission and system interconnection through Ethernet or other network interfaces.

## Episodic Memory

Store and call different sound tuning scenes to facilitate fast switching between different performance or meeting scenes.

## Replay Recording

Supports USB expansion cards to meet the needs of background music playback and multi track recording.

## Effect Processing

Built-in 24 stereo effects slots (Delay, Reverb, Modulation) or external effects units enhance sound richness and spatial depth.

## Extension Module

It supports expansion card modules, and can transform expansion card modules with different functions to enhance compatibility with other digital apparatus.

## Channel Configuration

Including signal routing, phantom power, phaseGAIN、TRIM、DirectOut、Delay, high pass, low pass, equalizer/PEQ, gate compression, insert insertion, GEQ, AUTO auto-mixing, SENDS transmission, panningLINK、Mute, level meter, etc.

## Audio Networking

The D-Link port is compatible with the digital stage box D3216 / D1608.

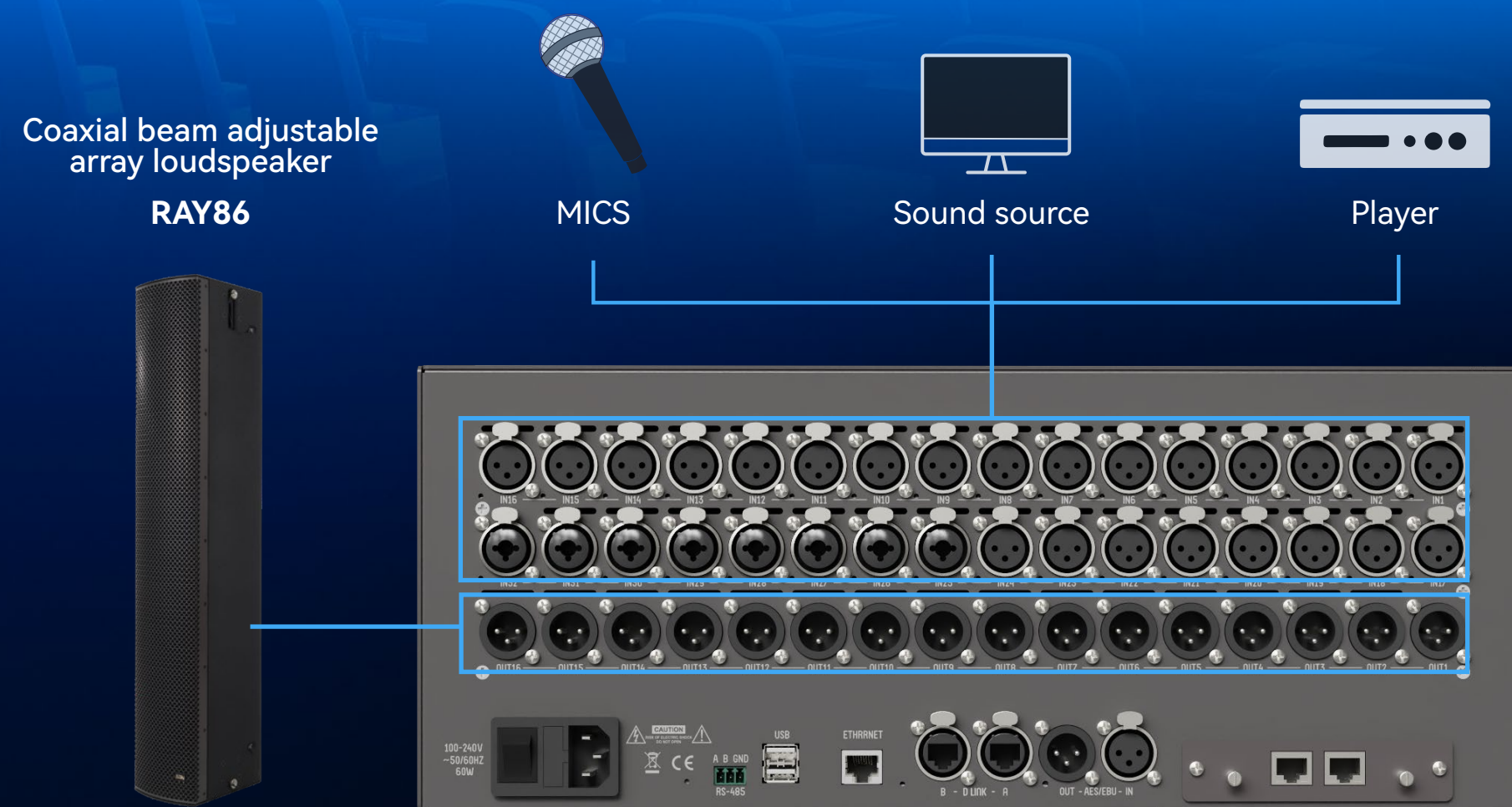
## Application

Various fixed installation scenarios such as government and enterprise meetings, schools, hotels, shopping malls, etc.



# C32 SERIES

## RACK MOUNTED DIGITAL MIXING CONSOLE



### Size(L x W x H)

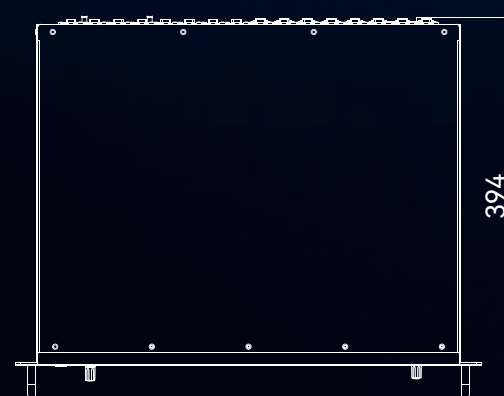
483 x 394 x 176mm

483 x 394 x 131mm

483 x 394 x 88mm



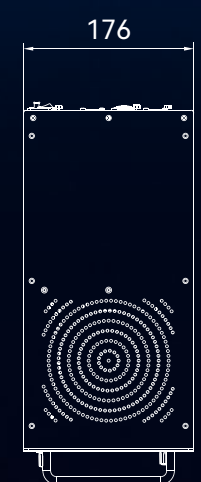
Front View



Top View

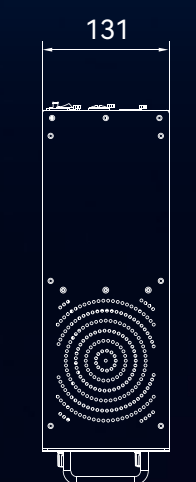
### C3232

Side View



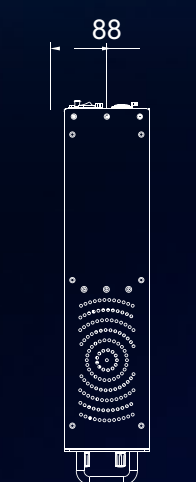
### C3224

Side View



### C3208

Side View



## PRODUCT PARAMETERS

Model	C3232	C3224	C3208
Max Input Channels		32 x Mono	
FX Bus Channels		4 x Stereo	
Bus Output Channels		12 x Stereo	
Matrix Output Channels		6 x Stereo	
Main Output Channels		Configurable: LCR / LR+Mono	
Solo Monitor Channels		1 x Stereo	
Solo Phones Channels		1 x Stereo	
Automixer		Custom Groups: 2 (Max 32 ch)	
Built-in FX Plugins		24 x FX Slots (Delay / Reverb / Mod)	
Sample Rate		96kHz / 48kHz	
Scene Memory		Yes	
Memory Bank		Yes	
Mute Group		6	
DCA Group		6	
USB Player		MP3/WAV Playback	
Signal Routing		I/O Routing	
User		Custom: Ch Name / Color / Layer / Keys / Bus / FX	
GPIO		RS485 Support	
Remote Ctrl		Web Remote (Cross-Platform)	
19" Rack		Yes	
Local Microphone Input	24 x XLR + 8 Combo	16 x XLR + 8 Combo	8 Combo
Local Analog Output	16 x XLR	8 x XLR	8 x XLR
Local Input-Digital		1 x XLR AES / EBU	
Phones Output		1 x 6.35Jacks	
Local Digital Output		1 x XLR AES / EBU	
Digital Stagebox	2 x D-Link (lockable RJ45 connector supporting Digital Stage Box D3216 / D1608)		
USB		3 x USB Type-A	
LAN (Ethernet)		1 x RJ-45 1000M	
GPIO		RS485	
Expansion Slot		1 Slot (USB1616 / AES1616 Compatible)	





***Sound at Your Fingertips***  
***Music Beyond the Summit***

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of Soundking

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