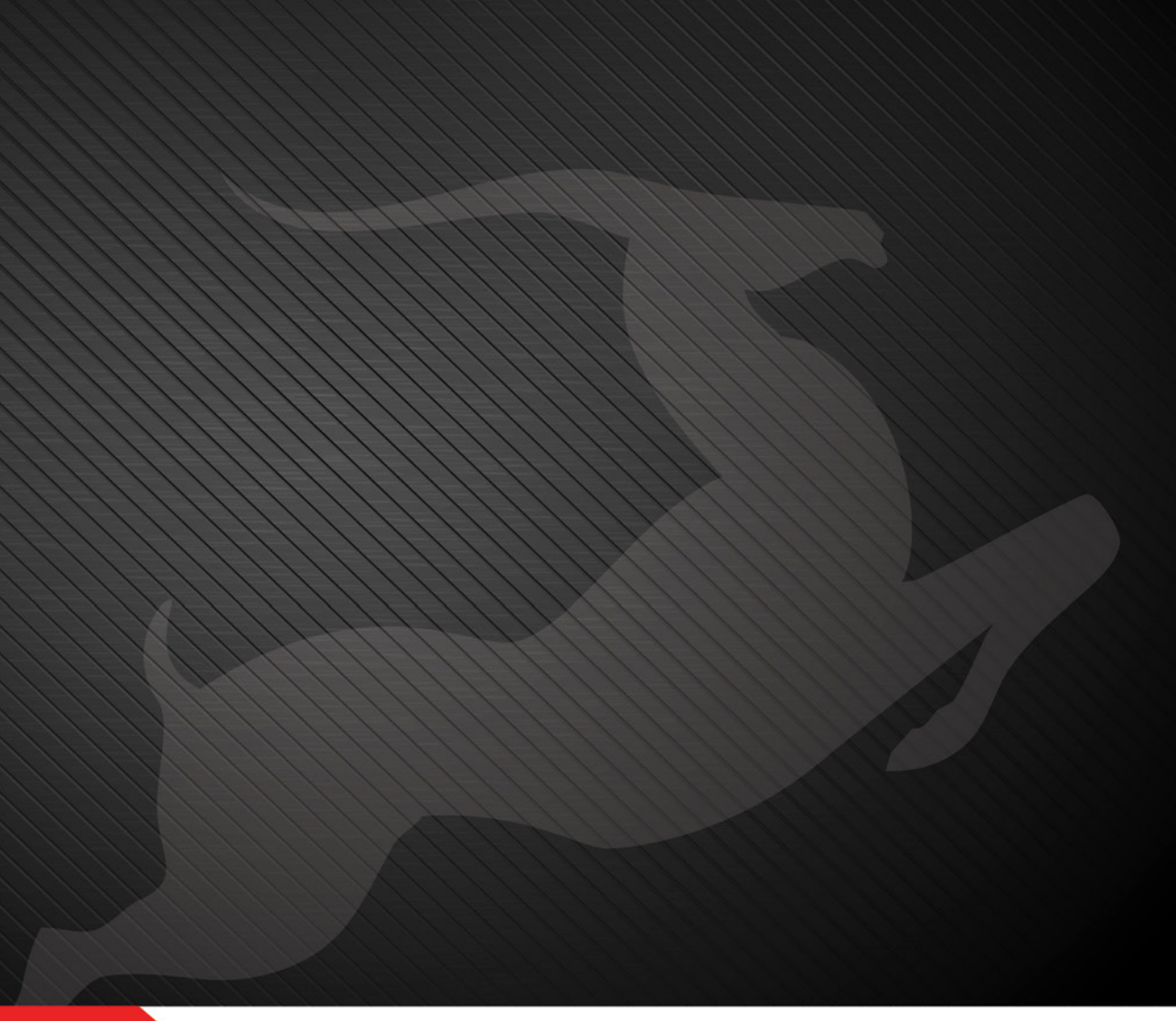
ECLIPSE 384
ORION^{32}+
PURE2
ORION^{32}
ZEN STUDIO
ORION STUDIO
GOLIATH
OCXHD
LIVE Clock
10MX
TRINITY
SATORI
MP32
MP8d



ANTELOPE AUDIO PRODUCT CATALOG

Antelope Audio is a leading manufacturer of high-end professional audio equipment and the pioneer in the adoption of Atomic clock generators. The company employs proprietary clocking and jitter management technologies, as well as custom-designed digital and analog circuits, to provide both professional audio engineers and music aficionados with unprecedented musicality, sound stage and clarity.

Antelope is the brainchild of Igor Levin, known for creating the legendary AardSync. Throughout his over 25-year experience and an unparalleled understanding of the digital world audio Igor developed countless innovations in audio and synchronization technology. The company is the first to design a 1U 32-channel audio interface and a multi-channel portable interface with 12 mic pres. Antelope's breakthrough technologies offer both studio and live audio engineers great productivity and flexibility.

Antelope Audio's latest audio interfaces and analog signal processors create an ecosystem, covering the recording, mixing and mastering processes, as well as live applications. The result is a coherent signal path all the way from the analog source through conversion, recording and playback.

The company's products are highly appreciated by the customers, including many Grammy award-winning sound engineers and some of the most renowned recording, mastering and post-production facilities around the globe.

ANTELOPE SPECIAL FEATURES

LOWEST SOUND LATENCY

PRO GUITAR INTERFACE

REALISTIC VINTAGE FX

ANTELOPE SPECIAL FEATURES

ADVANCED REMOTE APPS

MOST MIC/LINE CHANNELS

BEST CLOCK = BEST SOUND

AUDIO INTERFACES

NEW THUNDERBOLT™

GOLIATH

Thunderbolt™, USB and MADI Audio Interface with 16 Mic Pres

Antelope Audio has packed more than 20 years' experience in digital audio, clocking and analog circuit development into an impressive, amazing-sounding and versatile, professional audio interface – Goliath. The blazing-fast Thunderbolt™, USB, and MADI I/O houses a total of 36 analog ins and 32 analog outs, including 16-Channels of Class-A Mic Preamps with pristine and transparent AD/DA, all powered by Antelope's renowned clocking technology.

Expansive Connectivity

64 channels via Thunderbolt™ can be routed to a vast selection of digital and Analog I/O options, including MADI, AES, ADAT, and S/PDIF for digital signals. There are 36 Analog Inputs and 32 Analog Outputs with stunning pristine AD/DA converters. These include 4 superb Instrument DI's, 2 transformer Reamp Outs, 2 Headphone Outs with integrated Talkback on the front, and 16 Channels of Class-A Mic Preamps, 2 sets of Stereo Inserts and a pair of mastering-grade Monitor Outs on the back. The DB25 connectors feature 24 Line level outputs and 16 additional Line Inputs, making Goliath an attractive solution for Hardware Inserts and Summing. Even more Analog I/O Channels can be added by connecting Antelope's own Orion32 or Orion32+ using MADI, for a full 64 Channels of Analog I/O simultaneously.

A REMARKABLY VERSATILE RECORDING I/O

Unmatched Control Capabilities

Dedicated knobs make real-time control exceedingly simple for adjusting Mic Pre Gain and Instrument Inputs, as well as an assignable large volume knob for Stereo, Surround or Headphone Monitor Outs. There are also dedicated buttons for Talkback, Mono, and Mute, as well as a flexible Antelope Button. But, Goliath's exceptional control options go from convenient to simply amazing with its innovative multifunctional color touch screen allowing for our most user-friendly front panel experience ever.
Using your computer, you'll be able to easily route any input to any output via a flexible color-coded routing matrix inside Antelope's custom control panel software for Mac or PC and then save all your settings to five recallable presets. You can then go wireless using exceptional Apps for both iPad and Android devices. All of these control options make sure you're completely in command of Goliath's vast connectivity at all times.

Custom DSP & Guitar FX

Goliath employs Antelope's powerfully fast FPGA-based DSP engine, able to process four zero latency mixers with custom effects, like the stunning new AuraVerb reverb and several new modern and vintage hardware EQ and compressor models. Antelope's new RealModel technology create the most accurate modeling yet of the actual components to vividly create the true sound of classic analog gear. Stacks of FX can then be combined to build custom FX Chains and saved as Presets inside the AFX engine. Guitar Players will love this new FX approach when combined with Antelope's new partnership with Overloud Audio Tools' amp modeling, which also comes preloaded with Goliath.

Great Clocking = Great Sound

Goliath's precise clocking is run by Antelope's proprietary 4th generation of Acoustically Focused Clocking (AFC™) jitter management algorithm and oven-controlled crystal oscillator, as featured in Antelope's best crystal-based master clocks. For optimum detail and sound stage, Goliath can be additionally synced to the extremely accurate Rubidium Atomic Clock – 10MX. It can be used as a master clock for two other products via the two Word Clock Outs on BNC.

EXTREMELY FLEXIBLE AUDIO INTERFACE WITH POWERFUL DSP

Speed Changes Everything

Antelope's record setting Thunderbolt™ speeds, combined with real-time FPGA mixers and FX mark an end to the need for offline DSP to enhance the power of a modern DAW on today's computers. Antelope interfaces make use of real-time DSP for specific tasks, such as monitor mixing with reverb, tracking through accurately modeled EQ and Compression, as well as exceptional guitar amp models from highly regarded Overloud Audio Tools. Antelope's custom Thunderbolt™ circuit enables users to route to external hardware gear in near real-time or route recorded guitars or other audio out of Antelope Reamp Outputs to external pedals or other instrument processors. Monitoring the results is so fast, a guitar player could even play live through the chain without feeling any lag from the excessive latency of standard buffering, usually associated with external DSP solutions.

NEW THUNDERBOLT™

ORION 32+

Versatile Connectivity Options

Orion32+ is a successor to the world's first 32-channel AD/DA, now offering a greater variety of interfaces such as Thunderbolt™, MADI and USB. The digital connectivity options are complimented also by ADAT and S/PDIF.

Orion32+ provides seamless connectivity to any DAW, allowing for low latency simultaneous I/O streaming of 32 channels of 24-bit, 192 kHz audio signal. The analog I/O are handled by 8 D-Sub 25 connectors and a pair of TRS connectors for the monitoring.

32-channel AD/DA Interface with AFC™ Clocking Technology

Orion32+ emerges, catering for any needs a sound engineer may experience in the process of recording, mixing or playback, both in studios and live situations.

OVERVIEW

Enhanced Routing, Mixing and Monitoring

Orion32+ offers stunning flexibility and great productivity, providing a color-coded routing matrix with four separate mixers, built-in DSP effects and zero latency monitoring. The entire control is gathered in a desktop application available for both OS X and Windows.

The control panel is based on the software created initially for Orion32 and further developed for another Antelope Audio leading product, Zen Studio. Orion32+ control panel is an extremely intuitive user-friendly interface, which incorporates both our know-how and customers' feedback.

Antelope's Conversion and Clocking Legacy

The proven clocking accuracy is supported by Antelope's renowned 64-bit Acoustically Focused Clocking (AFC) jitter management technology, the same as with the flagship Trinity Master Clock.

The 10 MHz input, enabling connectivity to Antelope's legendary 10M Atomic Clock and its successor 10MX, makes Orion32+ crystal oscillator remarkably precise, emphasizing the signature Antelope sound. The two word clock outputs make Orion32+ a great fit in any setup, not only as an interface, but a master clock as well.

The clean, transparent and detailed conversion in Orion32+ is the same as with its predecessor, which has proved its sound quality in a great number of studios and live shows across the Globe.

NEW THUNDERBOLT™

ORION Studio

Most Mic/Line Channels

Orion Studio is the latest addition to Antelope Audio's new breed of ThunderboltTM & USB audio interfaces. Its 12 Class-A Mic Pres make it the one and only piece of gear you need to record a full band like a pro. Orion Studio features our traditionally stunning AD/DA conversion, powered by our acclaimed 64-bit Acoustically Focused Clocking (AFC) technology.

Lowest Sound Latency

Orion Studio's secret weapon is the extremely powerful Field-Programmable Gate Array (FPGA) device. Its massive parallel processing capabilities are far ahead of DSP chips used in similar devices. Through smart algorithms, oversampling and custom-tweeked models, the FPGA provides the lowest latency possible, giving the Antelope audio effects a real hardware-like behavior and feel.

Pro Guitar Interface

Antelope Audio and Overloud made Orion Studio the #1 audio interface for professional guitarists by creating the integrated vintage and contemporary guitar amp & cab simulations. The hardware-based FPGA effects bring precision and audio realism to a whole new level, allowing artists to experiment with multiple speaker configurations, mic placement and EQ settings.

Advanced Remote Apps

Orion Studio features an exciting new approach to control, allowing convenient device management from various access points. The interface is fully controllable via user-friendly desktop and mobile applications. You can now manage all functions of the device from multiple computers. An intuitive iOS / Android mobile app gives you even greater freedom by granting full mic pres control from a smartphone or tablet.

A CENTERPIECE FOR ANY STUDIO OR LIVE SHOW ENVIRONMENT

Realistic Vintage FX

With Orion Studio's extremely low latency, playing and recording guitars has never felt so real. Thanks to our love for both analog detail and digital perfection you can now capture the true sound of legendary guitar amps through a unique sampling technique for vintage gear modeling. Orion Studio offers an array of hardware-quality audio effects, among which the legendary Pultec EQ emulation and the extremely versatile AuraVerb reverb.

Connectivity Gone Wild

Orion Studio works with any Windows or OS X DAW on the market. The variety of digital and analog I/O combined with the flexible routing matrix make the device easily interconnectable to various outboard gear. Orion Studio offers two pairs of monitoring outputs, 16 analog outs, 2 reamp outputs, plus 16 channels I/O via ADAT and 2 channels I/O on S/PDIF.

Monitoring Revolutionized

With Orion Studio you can create up to four independent, zero latency mixes. Those can be easily assigned to any output including the two separate headphone outs. Now the musicians and the engineer can monitor the session in their preferred manner. Thanks to the convenient Orion Studio software you can quickly switch between two pairs of monitors and easily control the two independent headphone outputs.

FPGA Thunderbolt & Custom USB

Orion Studio's FPGA powered ThunderboltTM and custom USB are Antelope's guarantee for the lowest sound latency on the market. The massive parallel processing capabilities of the interface allow fast, simultaneous streaming of multiple audio channels and instant effects processing.

NEW

ZEN TOUR

Portable Thunderbolt™ & USB audio interface

Producing your own music has become the contemporary equivalent of writing poetry. Current technologies have made sound recording as easy as grabbing a pen and pouring your feelings on paper. However, unlike the solitude writing requires, music creation is usually a shared experience. A simple two or four-channel audio interface is no longer enough. A cool, creative jam with friends will require at least eight channels, packed in a portable interface that could easily fit in a backpack.

OVERVIEW

Advanced Remote Apps

Zen Tour control is now literally at your fingertips via the intuitive touch screen. The OS X and Windows compatible software control panel follows Antelope's innovative concept for networking. You can now manage all Zen Tour features from multiple computers in the same network. Did we mention iOS and Android mobile apps will allow you to access all Zen Tour features from your smartphone or tablet?

Most Mic/Line Channels

With Zen Tour we are pushing the envelope once again. Antelope is offering not just a portable ThunderboltTM & USB audio interface, but a pro piece, easily covering the needs of a small band. Zen Tour comes with 4 switchable Mic/Line inputs and 4 more HiZ/Line ins. Two reamp outs and a Talkback button on the front panel put it in the spotlight of portable tabletop interfaces.

Enhanced Connectivity

While other portable interfaces have to choose between giving you a decent amount of I/O channels or high-end DSP effects Zen Tour is better at both! With the 4 switchable Mic/Line and 4 HiZ/Line ins now come 8 analog outs, digital I/O on ADAT & S/PDIF, two independent headphone amps and two separate pairs of monitor outs. The FPGA powered ThunderboltTM and custom USB make the device lightning fast and compatible with any DAW on the market.

Lowest Sound Latency

Zen Tour borrows the powerful Field-Programmable Gate Array (FPGA) from Antelope Audio's top-selling pro studio devices. This game-changing technology provides the interface with massive parallel processing capabilities and the lowest latency levels on the market. In Zen Tour portability meets studio power like in no other device. No longer will portable interface stand for a starting point for your career, Antelope turned Zen Tour in a powerful tool for growing huge in the crazy music business!

Realistic Vintage FX

The custom FPGA is a rock-solid platform for creating multiple, zero latency mixes and applying an exciting stack of effects. Forget about buying expensive plugins – Zen Tour offers something better. Get creative with Antelope's brand new hardware-based guitar amp & cab simulations, the classic Pultec EQ emulation and the extremely versatile AuraVerb reverb. The FPGA effects offer unbeatable authenticity and audio realism, comparable only to the sound and behavior of legendary hardware gear.

ORION 32

...There is nothing else available that even gets close to this amount of I/O, in a box this small, at this quality level, and this kind of price...

- Sound On Sound

32-channel AD/DA Converter and Master Clock

Orion32 is a 32-channel A/D & D/A converter and audio master clock, supporting both MADI and USB interfaces, clocked by Antelope's renowned 64-bit Acoustically Focused Clocking (AFC) technology.

OVERVIEW

Orion32 allows 192 kHz I/O streaming of 32-channel digital audio through its custom-built USB chip, which provides simple connectivity to any USB-enabled DAW or computer. The converter also provides 32 channels of 96 kHz audio through its Fiber Optic MADI I/O connections, which can be used to connect with any suitably equipped MADI device.

The multi-channel converter also supports ADAT protocol by offering 16 I/O channels, for even greater compatibility with a large number of audio devices. The multi-channel converter inputs and outputs pass the analog signal through eight D-SUB 25 I/O connectors.

In addition to being an extremely high quality audioconverter, Orion32 is also an audio master clock. The Orion32 employs Antelope's proprietary 4th generation of AFC and oven controlled oscillator - both technologies that made Antelope Audio clocks an industry leader for accuracy and sound quality in recording, mastering and post-production facilities around the world. The 4 word clock outs, together with the 10 MHz input, make Orion32 ideally suited to be in the center of any project or high-end studio.

With its seamless digital routing and mixing options, the Orion32 offers extended flexibility. The routing feature allows sound engineers, for example, to send the AD signal to both MADI and USB interfaces, for live mixing and monitoring. The device is managed through a user-friendly desktop application available for both Mac and PC. Moreover, it is equipped with a zero-latency mixer and five preset buttons for fast and easy recall of favorite settings.

ZENSTUDIO

.....I am amazed at how much functionality has been packed into such a small footprint. In under five pounds, it delivers twelve great-sounding mic preamps for tracking, eight line ins and outs for looping hardware effects in and out of your DAW or for analog summing or monitor mixes, Antelope's world-class conversion over USB 2.0, one of the most full-featured internal mixers I have used, and onboard DSP, all in a robust portable package...

- Recording Magazine, Paul Vnuk Jr.

resolution AWARDS 2015 •WINNER• INTERFACE Antelope Audio Zen

NAMM TEC FOUNDATION

2014 WINNER INNOVATIVE PRODUCTS ProAudioReview MIX

Professional Portable Audio Interface with 12 Mic Pres

Zen Studio is the portable audio interface with the most comprehensive analog and digital I/O. It features a total of 38 simultaneous input and 32 output channels (20 analog ins, 14 analog outs), plus 24 simultaneous I/O channels on USB. Zen is designed to meet the needs of both up-and-coming and experienced producers, field recording engineers, sound designers, freelancers on the move, or independent musicians in search of greater sound quality and flexibility.

OVERVIEW

Audio Excellence

Zen Studio is powered by Antelope Audio Acoustically Focused Clocking, providing the most analog-sounding A/D & D/A conversion on the market. Zen is enhanced by Antelope's battle-tested USB technology, as in the top-selling 32-channel Orion interface which is the centerpiece of the live playback rigs for artists such as Rihanna, Jay-Z and Justin Timberlake.

Power and Flexibility

Zen Studio DSP is based on a custom FPGA device with massive parallel processing capabilities – eight times more powerful than DSP chips used in similar devices. The unit is fully controllable using an intuitive desktop application on both PC and Mac, offering flexible signal routing and DSP-based effects alongside custom presets.

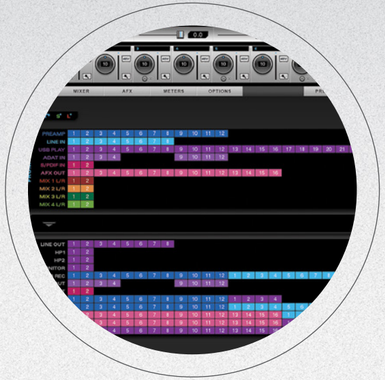
Unique Versatility

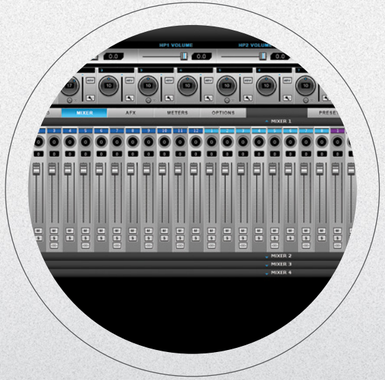
All audio I/O is available simultaneously for a total of 38 possible input and 32 output channels, plus 24 simultaneous I/O channels via USB. Users can create up to four independent zero-latency mixes assignable to any outputs, including the two independent headphone outputs and monitor outputs.

» Z-RACK & PROTECTIVE BAG

Z-rack mounting system and a Zen Studio embroidered protective bag, an elegant solution designed for ease of use and portability.

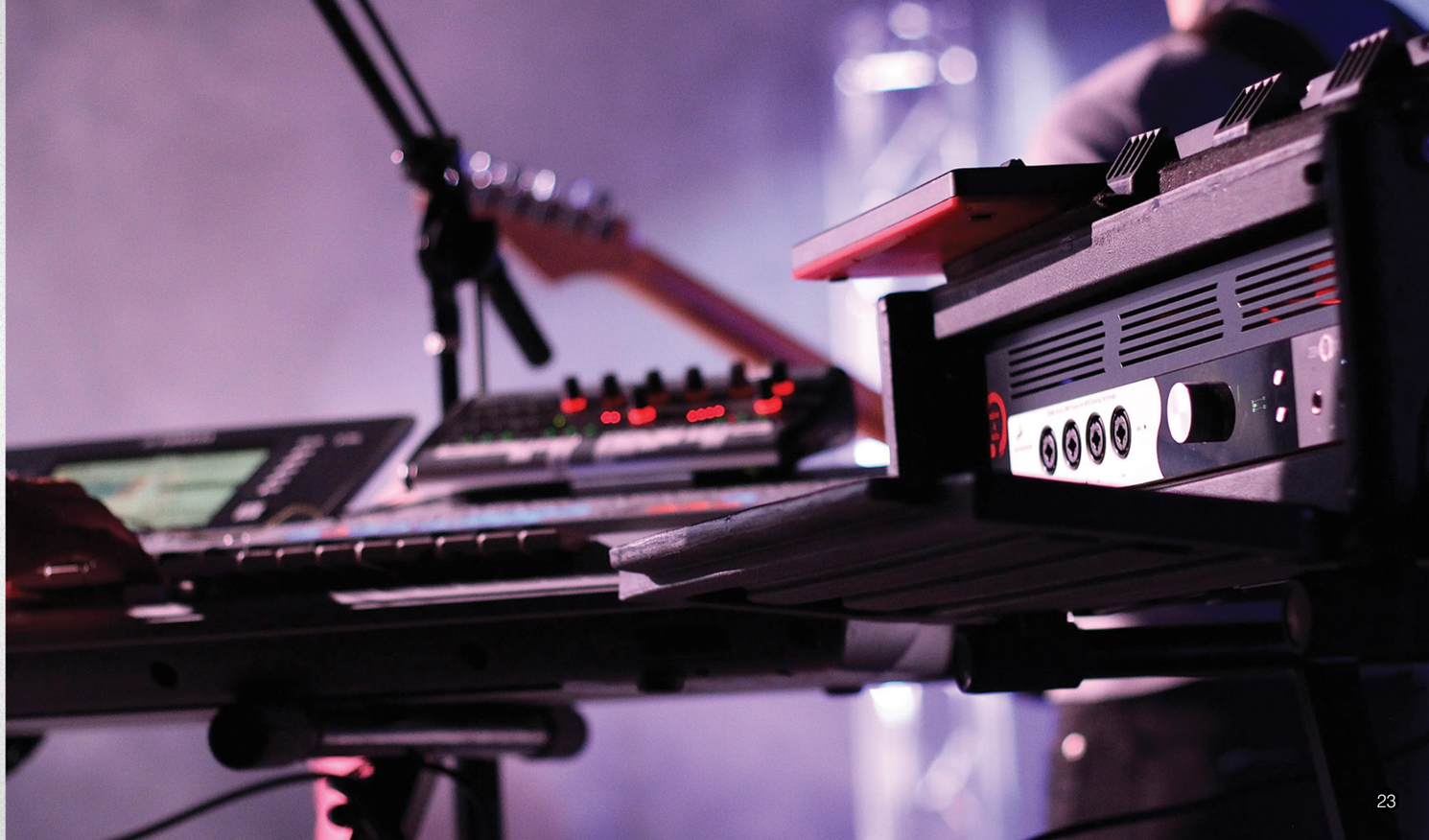
The extremely flexible and intuitive control panel offers simple colored-coded drag and drop routing and zero-latency mixes for monitoring and recording, allowing for easy application of DSP effects such as compressor, EQ and reverb. The innovative product activation system provides a fast one-click firmware update which easily brings new features on board.





...I love the clean sound of Zen Studio mic pres. It allows me to get the sound I want from the source and the mics that I choose. The mic pres are comparable to the typical ones that I find in major studios...

- Brian "Dr. Vibb" Vibberts
five-time GRAMMY Award winner



PURE 2

AFC TECHNOLOGY

...I really like the one that I have, but I put them up against each other, and the Pure2 sounded more open, and deeper in sound, which was really nice. The difference was very noticeable – you could feel that the sonic picture got bigger. So I was like, 'OK, I'm sold.' Now I am using the Pure2 for all my conversion...

- Michael Brauer
multiple GRAMMY Award winning mix engineer

Mastering AD/DA Converter & Clock

Pure2 is a mastering-grade 24/192 kHz AD/DA 2-channel converter and master clock that includes a relay-controlled volume attenuator. It features Antelope Audio's world-renowned Acoustically Focused Clocking (AFC) technology, and also utilizes pristine analog circuitry, driven by a proprietary multi-stage linear power supply for unsurpassed digital clarity and analog realism.

OVERVIEW

A/D Conversion
The famous Burr-Brown (TI) A/D converter PCM4222 is unsurpassed in terms of sound quality and performance. Carefully optimized analog driver stage gently handles overloads, contributing to distinct analog sound and smoother clipping.

D/A Conversion
The main D/A conversion in Pure2 is designed with a dual DAC architecture, providing separate DAC chips for the left and the right channels. The dual DAC design tremendously enhances the soundstage and signal-to-noise ratio.

Headphone Amp
The high-end headphone amp is powered by a dedicated D/A converter, allowing greater convenience and better routing flexibility. The separate DAC provides the option for monitoring a secondary source independent from the main outs.

Monitoring
Pure2 utilizes Antelope's high quality analog volume control. It features a stepped relay attenuator with 0.05 dB precision, providing optimal transparency of the monitoring through the main outs.

Master Clock
The conversion timing and the sync of all digital studio devices is kept stable by the 4th generation of 64-bit AFC jitter management and oven-controlled crystal oscillator. This is exactly the same technology used in Antelope's flagship master clock, Isochrone Trinity and the top-seller Orion32 AD/DA.

ECLIPSE 384

...This is one beast you aren't going to want to set free once you have it in captivity...

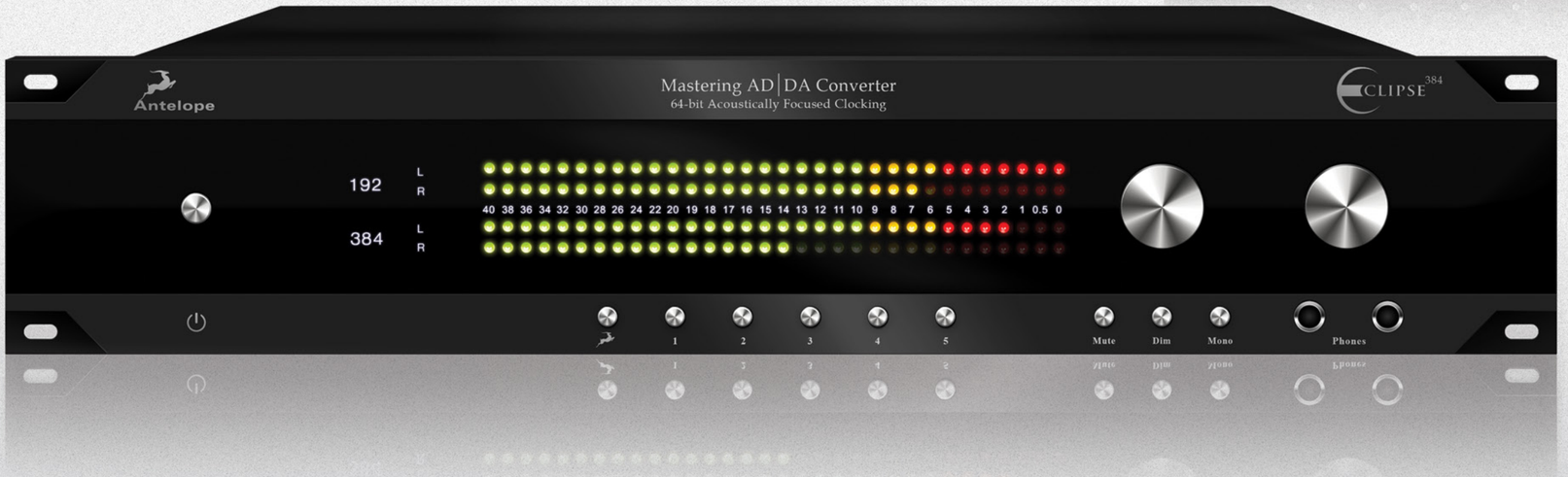
- Audio Media

Offering an integrated patching/routing function, the Eclipse makes monitoring in either analog or digital domain extremely simple, avoiding jitter, distortion and cabling noise. The unique dual clocking system enables a more natural, analog-sounding sample rate conversion. The unit can run all the way up to 384 kHz - a powerful way to improve the sound quality.

The Eclipse comprises 384 kHz A/D & D/A converters clocked by 2 independent 64-bit DSP Trinity-level clocks. The fully integrated monitor controller employs 0.05 dB accurate relay attenuators and provides speaker switching, bass management and cue mix functions. The robust, 2 unit enclosure also includes 2 headphone amps and a custom USB interface. An advanced software control panel (Mac & PC) with five presets allows easy recall of favorite setups.

Professional Stereo AD/DA and Master Clock

Eclipse 384 is an advanced 384 kHz A/D & D/A converter clocked by Antelope's renowned 64-bit AFC technology and a flexible monitoring system that creates a technological synergy by combining the most prominent Antelope's innovations. It provides mastering and mixing engineers an unprecedented level of productivity, sound quality and ease of use.



...By utilizing high-grade audio production equipment such as the Antelope Eclipse 384 I'm able to produce release-ready masters right here on the tour bus or the hotel room. The Eclipse is essential, because it gives me everything I need to work on the road and not just make a demo. The stuff I actually do on the road I keep and it sounds great–it's not just a demo that I have to rework or re-record later...

- Jonathan Davis, Korn

CLOCKS

NEW

10MX

Rubidium Atomic Clock

10MX is the newest and the premier member of the Isochrone family. It features technologies from two of Antelope's legendary products. The atomic precision of the 10M and the sophisticated jitter-management algorithm of Trinity are combined in a futuristic, 1U rack space enclosure, providing the world's most stable and musical clocking.

10MX is a fusion of proven technologies and contemporary industrial design, where no compromises are allowed and both build-quality, and performance-excellence are top priority. The new Rubidium Atomic Clock is an epiphany of more than 20 years' expertise in the digital audio world, making vividly real the clarity, depth, width and 3-dimensionality distinctive of the analog sound.

...I know I can't live without making the 10MX as part of my daily work life. It is as important to me as what microphone I have on the lead vocal. It's unbelievable what clocking done right can do for your music....

- Greg Wells
multiple GRAMMY nominated record producer, songwriter, musician, and mix engineer

10MX is perfectly suited for recording, mixing and mastering environments. Its form factor, occupying only 1U of rack space, makes it ideal for live sound application where rack slots are precious commodity.

The multiple atomic outputs allow up to 10 devices to be clocked simultaneously over BNC outputs of 10MHz. The unit can also be used as a master clock with 4 outputs, supporting the outstanding sampling rate of up to 768 kHz via BNC. Two more clocking outputs are available via AES and two via S/PDIF.

The new Rubidium Atomic Clock is equally easy manageable either from the front panel or the intuitive software control panel available for OS X and Windows, connecting via a USB port.

NEW

OCX HD

OCX HD raises the bar yet again, delivering sample rate support of up to 768 kHz, Antelope's best-in-class 4th generation Acoustically Focused Clocking (AFC) jitter management algorithm and oven-controlled crystal oscillator. OCX HD Master Clock offers a great variety of clocking options – 10 configurable in pairs Word Clock Outputs on BNC, four AES/EBU Outputs and two more on S/PDIF. This vast assortment of connectivity makes the OCX HD the most versatile audio master clock on the market, while proven, proprietary clocking technology delivers the most musical and reliable audio sync generation on the market.

Additionally, OCX HD offers two Word Clock Inputs and a Video Sync Input, which can resolve to a huge variety of SD and HD formats, as well as clock distribution with gear-boxing, and pull-up and pull-down rates, as featured in the triple clock powerhouse, Trinity Master Clock. A 10 MHz Input allows for syncing with Antelope's newest Atomic Clock – 10MX.

768 kHz HD Master Clock

For over a decade, Antelope's legendary OCX Master Clock has been a dominant force in the audio world. This legacy now continues with the newest master clock by Antelope Audio - Isochrone OCX HD.

THE LEGACY CONTINUES...

Antelope's latest master clock benefits from flexible firmware update functionality, as featured in all new-generation Antelope products, allowing for fast and easy firmware updates on the user-friendly software control panel, available for both OS X and Windows. The desktop app provides convenient remote control to simplify project workflow. The device is also easily configurable from an elegant front panel, which will add a futuristic aesthetic to any gear rack.

NEW

LIVE Clock

Portable 192 kHz Master Clock

For over a decade now Antelope Audio has been dominating the market of studio master clocks thanks to the company's ground breaking Acoustically Focused Clocking (ACF) technology. Combining digital precision with our signature analog-like sound, Antelope's renowned clocking technology proved to be also extremely beneficial to the live show environment. Clocking the front-of-house (FOH) mixer and monitoring rig brought exceptional sound quality to both audience and musicians. A distinctive stereo image, precise detail and authentic sonic representation are among the main benefits usually associated with Antelope's clocking.

Now, Antelope Audio presents LiveClock. A unique in terms of size, sound quality and price audio master clock, designed to perfectly suit any live sound set up. Fitting perfectly into a FOH console dog house, the pocket size clock carries the signature Antelope sound packed in a robust aluminum case with a lockable touch screen. Taking up just 1U space and with additional rack ears, it's a breeze to set it in the rig.

The competitive price and elegantly small footprint make LiveClock the perfect choice for any location recordists, home studio producers or traveling artists, dedicated to achieving the optimum sound quality everywhere they go. The LiveClock utilizes the same clocking technology, therefore sounds as amazing as the legendary Trinity and Antelope's latest OCX HD master clock.

REINVENT YOUR LIVE SOUND

LiveClock supports up to 192 kHz sample rate, distributed via four Word Clock outputs on BNC and two pairs of AES/EBU and S/PDIF outputs. The unit allows simultaneous clocking of multiple devices, providing the perfect synchronization of either a large live rig or a contemporary studio set up. A 10 MHz input for connection with Antelope's 10MX or 10M offers even greater stability and sound quality.

The new LiveClock is easy to configure via the sleek touch buttons. The convenient 'Panel Lock' function prevents from sampling rate changes during a session or live show. All aspects of the device are easily operated via the OS X and Windows compatible software control panel.

TRINITY

...Just when you think only very small improvements are possible to improve the digital clock, along comes the Trinity. This new clock maintains more detail, ambience, and naturalness of the digital signal, and the difference is not subtle.

Because of our findings, we at BGM are outfitting our Hollywood & Tokyo Studios with this clock. All of our engineers are impressed with such a significant advancement in digital technology...

- Bernie Grundman...
GRAMMY and Tech Award winning mastering engineer

THE BEST-SOUNDING AND MOST VERSATILE MASTER CLOCK EVER

Universal High Definition Master Clock

In the fickle world of Audio & Video formats, Trinity is the Master Clock that stands out from the crowd, with the kind of features that others can only aspire to. With dedicated functions and controls, Trinity is the best-sounding and most versatile Master Clock available anywhere. Installed in some of the most prominent audio and post production facilities around the globe, Trinity is in the roots of a great percentage of contemporary music and movie productions. Trinity is also an integral component of some of the largest live concerts and events nowadays.


ANALOG SIGNAL PROCESSORS
SATORI
INPUT SELECT
MONITOR SELECT
Antelope
960
ORION
MP
32 Channel Pure Class A Mic Pre
Ultra-low Noise Dual-Stage Architecture

SATORI

...More than just a glorious monitor controller...

- Resolution Magazine

...If what you want is pure analog monitor control with impeccable sound quality and easy-to-use features from front panel or DAW screen, the Satori is hard to beat....

- Recording Magazine

High-End Monitoring Controller

Satori is a digitally-controlled true analog monitoring and summing system designed for today's studios. Antelope's Orion32 and Zen Studio interfaces have both been praised for their digital clarity, while maintaining the realism of analog sound. Satori features the same high level of uncompromising sound quality thanks to advanced analog circuit design.

OVERVIEW

Mastering-grade transparency

Satori provides a monitoring solution that maintains sonic accuracy while routing and switching between source material, especially when the D/A is handled by the clear and natural-sounding Antelope family of converters. Antelope Audio's extensive background in designing pristine analog circuitry, highly optimized PCB layout and power supply technology result in mastering-grade transparency at a project studio price.

Analog summing functionality

In addition to providing outstanding monitoring capabilities, Satori includes a fully analog 8-channel summing mixer. Analog summing allows engineers who work completely "in-the-box" to mix signals in the analog domain for a more natural blending of instruments. The summing mixer inside Satori maintains punch, headroom and excellent dynamics, while offering the analog sound usually found only from legendary analog consoles.

Stepped relay attenuator with precision accuracy

Satori employs an innovative volume control solution by merging a patent-pending circuit that dramatically reduces sound artifacts when attenuating volume and the smooth operation of integrated circuit design. Advanced, platinum relays and low-noise precision resistors facilitate very fast level attenuation, without sacrificing excellent sonic performance. While, integrated circuits add smooth transient response, keeping the distortion levels unprecedentedly low. The greatest advantage of using relays is that they achieve 0.05 dB stereo accuracy and stable L/R balance even at lower listening levels. Satori also boast .5db increments of source and output trim offset control. This pristine, passive attenuator signal path fully preserves audio signal integrity while revealing even the most subtle nuances.

Satori is bundled with a bus-powered remote control – R4S. The remote is specially designed for Satori, completely replicating the front panel functionality. It provides engineers with ease and ergonomics, controlling Satori directly from the mix position. R4S allows for lightning fast control of all sources and monitors, as well as talkback. Satori also comes with a free mobile application for iOS and Android smartphones and tablets, providing enhanced flexibility and efficiency and allowing a sound engineer to control Satori anywhere in the studio.

Headphone amps and talkback

Surpassing most monitoring controllers, which offer one or two headphone outs, Satori features four independent headphone amps ready to provide several band members their own, unique input feed with independent volume control. Satori's headphone drivers are audiophile-grade and are the same as those used in Antelope's premium line of high-end home audio converters, able to drive both low and high impedance headphones.

A unique software talkback solution allows for instant communication with performers. Satori provides great flexibility by offering several kinds of talkback mic sources – via the built-in mic on the front panel; the 1/4" TRS connector on the rear panel or the built-in mic in the engineer's laptop, and the mic on your phone when using the Satori App.

Analog sound with digital control

The exceptionally clear sonic performance of Satori is derived from advanced analog circuit design. But the flexible and accurate control capabilities are made possible by Antelope's next generation of software control panel technology, which has opened the door to a whole new generation of analog devices, such as the Satori Monitoring System and MP32 32-channel mic preamp. For Satori this means fast and responsive source and speaker output switching, accurate remote volume control and also Mute, Mono, Dim, Mid/Side monitoring. The Satori Control Panel also features stereo peak meters for instant signal visualization.

Available on the iPhone App Store

ANDROID APP ON Google play

An abundant number of I/Os

Satori provides a generous amount of connectivity options. No other 1U monitoring system has eight stereo inputs and four stereo outputs and features such a comprehensive choice of connections: XLR, 1/4" TRS and D-Sub 25. Satori also boasts a subwoofer output and four 1/4" independent headphone outs.

Sleek and functional front panel control

Large, warmly-lit front panel buttons and an ergonomic aluminum volume knob provide the user with elegant and fast management of all major monitoring functions. The result is a powerful state-of-the-art device that still feels user-friendly and simple to operate.

MP32

32-channel Microphone Preamp

MP32 is a 32-channel console-grade microphone preamp with integrated software remote control and Antelope Audio's exciting new approach to analog circuit design.

We designed MP32 to be a perfect match for our top-selling audio interface Orion32, this way ensuring a full transparency of the sound and complete integrity of the signal via the whole chain, from the mic pres through the conversion, recording and playback, all of them characterized by the signature Antelope sound.

Exceptional clarity, transparency and dynamics

MP32's mic preamps are open and transparent, yet designed to maintain both signal clarity and sonic realism consistently throughout the recording process. The MP32 offers excellent headroom and up to 68 dB of gain in 1 dB steps, more than enough to power even the most demanding ribbon mics, while maintaining ultra-low THD+N (-110.5 dB).

OVERVIEW

Digital remote control

The intuitive software control panel provides fast set up and easy fine-tuning of individual mic preamp gain, as well as the independent assignment of phantom power and mic/line/hi-z switching. Complex gain structure and preamp settings are made incredibly simple by the user-defined presets, just a mouse click away. In addition, individual V/U style metering allows for instant signal confirmation at a glance of the software.

Compact packaging and value

Never before have so many console-grade mic pres been available in such a small enclosure, not to mention at such an incredible price. MP32 is housed in just a 2U box, which makes it perfect not only for studios, but for location and live recording, where rack space is a precious commodity.

The combination of the Orion32 or Orion32+ and MP32, totalling just 3U in rack space, makes it a perfectly suited solution for studios and live recordings. MP32 is specifically designed to complement Orions' precise conversion and ensure even greater transparency in the recording process.

MP 8d

8-channel Mic Preamp and A/D

MP8d is an eight-channel class-A microphone preamplifier, which boasts Antelope Audio's integrated world-class A/D conversion. Antelope's converters are widely regarded for their naturally warm, yet sonically accurate sound signature. This classically rich, yet modernly precise sound is accomplished thanks to Antelope's Acoustically Focused Clocking jitter management algorithm and Oven-Controlled crystal oscillator, along with advanced analog and digital circuit board design, powered by a proprietary power supply.

OVERVIEW

Analog Versatility

The MP8d mic pres are combo XLR/TRS connectors, which accept both mic and line level signals. Hi-Z inputs are associated with channels 1 and 2, and are accessible via dedicated TRS connectors on the front panel. Inserts for connecting your favorite effects outboard gear are available on the rear panel. A high-end headphone amp is accessible from the front panel to provide the convenience of integrated monitoring. The analog connectivity is accomplished with a D-Sub 25 connector directly outputting the mic signals at line level, making MP8d a perfect companion device for Antelope's Orion32 and Zen Studio audio interfaces.

Flexible Management

MP8d relies on the highly sophisticated yet easy to use software control concept developed for Orion32 and Zen Studio. The intuitive user interface with color-coded drag and drop signal routing, multiple mixers and powerful DSP engine with on-board effects, makes the device extremely flexible and suited to various recording applications. Programmable presets allow for easy and fast recall of preferred configurations, while ergonomic aluminum knobs on the front panel provide precise mic gain adjustment in real-time.

Digital Efficiency

A plethora of digital connectors offer a wide variety of options, providing extreme flexibility and enhanced productivity. MP8d provides S/PDIF, AES/EBU, TOSLINK, ADAT and MADI connections expand the product compatibility and allow for both easy connection to other outboard gear or DAW, as well as cascading two or more MP8d units, expanding the channel count.

TECHNICAL SPECIFICATIONS

GOLIATH

Analog Inputs:	16 x Line inputs on two D-SUB 25, +20 dBu max, 11.2 kOhms 16 x Mic / Line universal inputs on XLR combos on the rear (first 4 can be used for instruments also) 4 x Instrument (HiZ) inputs on TRS 1/4 jacks on front
Analog Inserts:	2 x Inserts on TRS 1/4 jacks (dedicated to rear universal inputs 1, 2)
Digital Inputs:	2 x Fiber Optic MADI (up to 64CH each) 2 x ADAT (up to 16CH) 8 x AES/EBU on D-SUB 25 (16CHs) 1 x S/PDIF
Word Clock Input:	1 x Input @ 75 Ohms 3Vpp on BNC 32 – 192kHz
Atomic Clock:	1 x 10M Input @ 75 Ohms 1Vpp on BNC
Analog Outputs:	24 x Line outs on two D-SUB 25, +20dBu, 56 Ohms 2 x Monitor outs on TRS 1/4 jacks 2 x Stereo Headphone outs on TRS 2 x ReAmp outs on TRS
Digital Outputs:	2 x Fiber Optic MADI 2 x ADAT 8 x AES/EBU on D-SUB 25 (16CHs) 1 x S/PDIF
Word Clock Output:	2 x Outputs @ 75 Ohms 3Vpp on BNC 32 - 192kHz
USB I/O:	1 x USB 2.0 Hi-Speed; Data stream up to 480 Mbits/192kHz, 32 channels I/O, Type B
Thunderbolt™:	1 x Thunderbolt™ (64 channels I/O)
D/A Monitor Converter	Dynamic Range: 127 dB; THD + N: -108 dB
D/A Converter	Dynamic Range: 120 dB; THD + N: -107 dB
A/D Converter	Dynamic Range: 120 dB; THD + N: -110 dB
Mic Preamp:	Gain 0, 10 – 65 dB THD + N: -108 dB
Clocking System:	4th Generation Acoustically Focused Clocking 64-bit DDS Oven Controlled Crystal Oscillator
Clocking Stability:	<+/-0.02 ppm, oven controlled at 64.5°C/ 148.1°F
Clock Aging:	< 1 ppm per year
Clock Calibration:	<+/-0.001 ppm
Sample Rates (kHz):	32, 44.1, 48, 88.2, 96, 176.4, 192
Operating Temperature:	0-50°C/32-122°F
Weight	6.8 kg/ 15 lbs approx.
Dimensions (approx.)	Width: 483mm /19” Height: 81mm / 3.2” Depth: 279mm / 11”
Power Supply:	AC Universal input ~95-245 V
Power Consumption:	40 Watts Max

ORION^{32}+

Analog Inputs:	4 x D-SUB 25 (32 channels), +20 dBu max, 11.2 kOhms
Digital Inputs:	1 x Fiber Optic MADI 2 x ADAT 1 x S/PDIF
Word Clock Input:	1 x Input @ 75 Ohms 3Vpp on BNC 32 – 192kHz
Atomic Clock:	1 x 10M Input @ 75 Ohms 1Vpp on BNC
Analog Outputs:	4 x D-SUB 25 (32 channels), +20dBu, 56 Ohms 2 x Monitor Outs on TRS 1/4 Jacks
Digital Outputs:	1 x Fiber Optic MADI 2 x ADAT 1 x S/PDIF
Word Clock Output:	2 x Outputs @ 75 Ohms 3Vpp on BNC 32 - 192kHz
USB I/O:	USB 2.0 Hi-Speed; Data stream up to 480 Mbits/192kHz, 32 channels I/O, Type B
Thunderbolt™:	1 x Thunderbolt™
D/A Monitor Converter	Dynamic Range: 127 dB THD + N: -108 dB
D/A Converter	Dynamic Range: 118 dB THD + N: -98 dB
A/D Converter	Dynamic Range: 118 dB THD + N: -105 dB
Clocking System:	4th Generation Acoustically Focused Clocking 64-bit DDS Oven Controlled Crystal Oscillator
Clocking Stability:	<+/-0.02 ppm, oven controlled at 64.5ÿC/ 148.1ÿF
Clock Aging:	< 1 ppm per year
Clock Calibration:	<+/-0.001 ppm
Sample Rates (kHz):	32, 44.1, 48, 88.2, 96, 176.4, 192
Operating Temperature:	0-50°C/32-122°F
Weight	3kg/ 6.6 lbs approx.
Dimensions (approx.)	Width: 483 mm/19” Height: 44 mm/1.75” Depth: 220 mm/8.66”
Power Supply:	AC Universal input ~95-245 V
Power Consumption:	20 Watts Max

ORION Studio

Analog Inputs	4 x Mic / Line Instrument on XLR combos on the front
	8 x Mic / Line on XLR combos on the rear
Analog Inserts	2 x Inserts on TRS (inputs 1,2)
Digital Inputs	2 x ADAT (up to 16)
	1 x S/PDIF
Word Clock Input	1 x Input @ 75 Ohms 3Vpp on BNC 32 - 192kHz
Analog Outputs	16 x Lines on 2 x DB25 (16 channels)
	2 x Stereo Monitor out on TRS (4 channels, only 1 active at a time)
	2 x Stereo Headphone outs on TRS (4 channels)
	2 x ReAmp outs on TRS (2 channels)
Digital Outputs	2 x ADAT
	1 x S/PDIF
	USB 2.0 Hi-Speed; Data stream up to 480 Mbits/192kHz,
	24 channels I/O, Type B
Thunderbolt™ I/O	1 x Thunderbolt™, 32 channels I/O
Word Clock Output	1 x Outputs @ 75 Ohms 3Vpp on BNC 32 - 192kHz
D/A Monitor Converter	Dynamic Range: 127 dB
	THD + N: -108 dB
D/A Converter	Dynamic Range: 120 dB
	THD + N: -107 dB
A/D Converter	Dynamic Range: 120 dB
	THD + N: -110 dB
Mic Preamp	Gain: 0,10 – 65 dB
	THD + N: -108 dB
Clocking System	4th Generation Acoustically Focused Clocking
	64-bit DDS
	Oven Controlled Crystal Oscillator
Clocking Stability	<+/-0.02 ppm, oven controlled at at 64.5°C/ 148.1°F
Clock Aging	< 1 ppm per year
Clock Calibration	<+/-0.001 ppm
Sample Rates (kHz)	32, 44.1, 48, 88.2, 96, 176.4, 192

Zen Tour

Analog Inputs	4 x Mic / Line Instrument on XLR combos on the back
	4 x Hiz / Line on TRS combos on the front
Digital Inputs	2 x ADAT (up to 16)
	1 x S/PDIF
Analog Outputs	8 x Lines on 1 x DB25 (8 channels)
	2 x Stereo Monitor out on TRS (4 channels, only 1 active at a time)
	2 x Stereo Headphone outs on TRS (4 channels)
	2 x ReAmp outs on TRS (2 channels)
Digital Outputs	2 x ADAT
	1 x S/PDIF
	USB 2.0 Hi-Speed; Data stream up to 480 Mbits/192kHz,
	24 channels I/O, Type B
Thunderbolt™ I/O	1 x Thunderbolt™, 32 channels I/O
D/A Monitor Converter	Dynamic Range: 127 dB
	THD + N: -108 dB
D/A Converter	Dynamic Range: 120 dB
	THD + N: -107 dB
A/D Converter	Dynamic Range: 120 dB
	THD + N: -110 dB
Mic Preamp	Gain: 0 – 65 dB
	THD + N: -108 dB
Clocking System	4th Generation Acoustically Focused Clocking
	64-bit DDS
	Oven Controlled Crystal Oscillator
Clocking Stability	<+/-0.02 ppm, oven controlled at at 64.5°C/ 148.1°F
Clock Aging	< 1 ppm per year
Clock Calibration	<+/-0.001 ppm
Sample Rates (kHz)	32, 44.1, 48, 88.2, 96, 176.4, 192
Power Supply	DC Universal Input 18V
Power Consumption:	25 Watts Max

ORION32

Analog Inputs	4 x D-SUB 25 (32 channels), +20 dBu max, 11.2 kOhms
Digital Inputs	1 x Fiber Optic MADI
	2 x ADAT
	1 x S/PDIF
Atomic Clock Input	1 x 10M Input @ 75 Ohms 1Vpp on BNC
Word Clock Input	1 x Input @ 75 Ohms 3Vpp on BNC 32 - 192kHz
Analog Outputs	4 x D-SUB 25 (32 channels), +20 dBu, 56 Ohms
Digital Outputs	1 x Fiber Optic MADI
	2 x ADAT
	1 x S/PDIF
Word Clock Output	4 x Outputs @ 75 Ohms 3Vpp on BNC 32 - 192kHz
USB I/O	USB 2.0 Hi-Speed; Data stream up to 480 Mbits/192kHz,
	32 channels I/O, Type B
D/A Converter	Dynamic Range: 118dB
	THD + N: -98 dB
A/D Converter	Dynamic Range: 118dB
	THD + N: -105 dB
Clocking System	4th Generation Acoustically Focused Clocking
	64-bit DDS
	Oven Controlled Crystal Oscillator
Clocking Stability	<+/-0.02 ppm, oven controlled at at 64.5°C/ 148.1°F
Clock Aging	< 1 ppm per year
Clock Calibration	<+/-0.001 ppm
Atomic Clock Input	10MHz
Sample Rates (kHz)	32, 44.1, 48, 88.2, 96, 176.4, 192
Operating Temperature	0-50°C / 32-122°F
Weight	3 kg / 6.6 lb approx.
Dimensions (approx.)	483 mm (W) / 44 mm (H)/ 220 (D) mm
	19'' (W) / 1.75" (H) / 8.66" (D)
Power Supply	AC Universal input ~95-245 V
Power Consumption	20 Watts Max

Zen Studio

Analog Inputs	4 x Mic / Line Instrument on XLR combos on the front
	8 x Mic / Line on XLR combos on the rear
	8 x Lines on DB25 (8 channels)
Analog Inserts	2 x Inserts on TRS (inputs 1,2)
Digital Inputs	2 x ADAT (up to 16)
	1 x S/PDIF
Word Clock Input	1 x Input @ 75 Ohms 3Vpp on BNC 32 - 192kHz
Analog Outputs	8 x Lines on DB25 (8 channels)
	1 x Monitor out on TRS (2 channels)
	2 x Stereo Headphone outs on TRS (4 channels)
Digital Outputs	2 x ADAT
	1 x S/PDIF
USB I/O	USB 2.0 Hi-Speed; Data stream up to 480 Mbits/192kHz,
	24 channels I/O, Type B
Word Clock Output	1 x Outputs @ 75 Ohms 3Vpp on BNC 32 - 192kHz
D/A Converter	Dynamic Range: 118dB
	THD + N: -98 dB
A/D Converter	Dynamic Range: 118dB
	THD + N: -105 dB
Mic Preamp	Gain: 0,10 – 65 dB
	THD + N: -108 dB
Clocking System	4th Generation Acoustically Focused Clocking
	64-bit DDS
	Oven Controlled Crystal Oscillator
Clocking Stability	<+/-0.02 ppm, oven controlled at 64.5°C/ 148.1°F
Clock Aging	< 1 ppm per year
Clock Calibration	<+/-0.001 ppm
Sample Rates (kHz)	32, 44.1, 48, 88.2, 96, 176.4, 192
Operating Temperature	0-50°C/32- 122°F
Weight	2 kg/4.41 lb approx.
Dimensions (approx.)	418 mm (W) / 45 mm (H) / 145 mm (D)
	16.8" (W)/ 1.8" (H) / 5.8" (D)
Power Supply	DC Universal Input 18V
Power Consumption:	25 Watts Max

PURE2

Analog Inputs:	1 x Combo Balanced Analog (XLR / 1/4 TRS) factory calibrated to +20dBu
Digital Inputs:	1 x AES/EBU on XLR (32kHz to 192kHz) @ 110 Ohms terminated 1 x S/PDIF on RCA (32kHz to 192kHz) @ 75 Ohms terminated 1 x TOSLINK on optical fiber: up to 96kHz
Word Clock Input:	1 x Input @ 75 Ohms 3Vpp on BNC 32 - 192kHz
Atomic Clock Input	1 x 10M Input @ 75 Ohms 1Vpp on BNC
Analog Outputs:	1 x Stereo pair of Balanced XLR Outputs from D/A Converter (Main Output) is factory calibrated to 20dBu and user adjustable from 8dBu to 26dBu 1 x Stereo pair Balanced Outputs for monitors (2 x 1/4 TRS) 1 x 1/4 TRS Front Headphones 20dBu
Digital Outputs:	1 x AES/EBU on XLR (32kHz to 192kHz) @ 110 Ohms terminated 1 x S/PDIF on RCA (32kHz to 192kHz) @ 75 Ohms terminated 1 x TOSLINK on optical fiber: up to 96kHz
Word Clock Outputs:	8 x Outputs @ 75 Ohms 3Vpp on BNC 32 - 192kHz
USB I/O:	USB 2.0 Hi-Speed; Data stream up to 480Mbits/192kHz, 4 channels I/O playback/record, Type B
External Reference Clock:	1 x 10M Atomic Clock Input @ 75 Ohms 1Vpp on BNC 1 x Word Clock Input @ 75 Ohms 3Vpp on BNC 32 - 192kHz
A/D Converter	Dynamic Range: 122dB THD+N: -105dB
D/A Converters	Main DAC Dynamic Range 127dB; THD+N -107dB Monitor DAC Dynamic Range 120dB; THD+N -103dB Headphones DAC Dynamic Range 120dB; THD+N -100dB
Clock Specifications	<+/-0.02 PPM, oven controlled at 64.5°C/ 148.1°F
Clock Aging:	< 1 ppm per year
Clock Calibration:	< +/-0.001 ppm
Atomic Clock Input:	10MHz @ 1Vpp, BNC
Sample Rates (kHz):	32, 44.1, 48, 88.2, 96, 176.4, 192
Operating Temperature:	0-50°C, 32-122°F
Weight:	3 kg, 6.6 lb approx.
Dimensions (Approx):	483mm(W) x 44mm(H) x 220mm (D) 19"(W) x 1.75"(H) x 8.66"(D)
Power Supply:	~110VAC 60Hz/ ~220VAC 50Hz selectable
Fuses:	2 x 0.8A 250VAC 5mm x 20mm Type T (or Time delay)

ECLIPSE 384

Analog Inputs:	3 x Combo Balanced Analog Ins (XLR/TRS 1/4") 2 x 1/4" TRS Balanced Insert points 1 x 1/4" TRS Balanced Talkback input 1 x 1/4" TRS Balanced Foot switch input
Digital Inputs:	3 x AES/EBU on XLR (32kHz to 192kHz) @ 110 Ohms terminated 2 x S/PDIF on RCA (32kHz to 192kHz) @ 75 Ohms terminated 2 x TOSLINK on optical fiber: up to 96kHz
Word Clock Input:	1 x Word Clock Input @ 75 Ohms 3Vpp on BNC 44.1 - 384kHz
Atomic Clock Input	1 x 10M Atomic Clock Input @ 75 Ohms 3Vpp on BNC 44.1 - 384kHz
Analog Outputs:	2 x Balanced XLR Outputs from D/A Converter 3 x Balanced Outputs for monitors (1 x XLR and 2 x TRS) 1 x Balanced XLR LFE Out 2 x 1/4" TRS Cue Mix Headphones 2 x 1/4" TRS Front Headphones
Digital Outputs:	2 x AES/EBU on XLR for the A/D Converter out (32kHz to 192kHz; 384kHz for dual wire when 384kHz is selected in the clock) @ 110 Ohms terminated 2 x De-jittered AES/EBU on XLR (32kHz to 192kHz; 384kHz for dual wire when 384kHz is selected in the clock) @ 110 Ohms terminated 1 x De-jittered S/PDIF on RCA (32kHz to 192kHz) @ 75 Ohms terminated 1 x De-jittered TOSLINK on optical fiber: up to 96kHz
USB:	USB 2.0 Hi-Speed; Data stream up to 480Mbits/384kHz, Type B
Word Clock Outputs:	4 x Word Clock Outputs @ 75 Ohms 3Vpp on BNC 44.1 - 384kHz square wave signal
D/A Converter	Dynamic Range: 129dB THD + N: 0.0004 %
A/D Converter	Dynamic Range: 123dB THD + N: 0.0004 %
Clocking System:	4th Generation Acoustically Focused Clocking 64-bit DDS Oven Controlled Crystal Oscillator
Clocking Stability:	<+/-0.0 2 PPM, oven controlled at 64.5 °C
Clock Aging:	< 1 PPM per year
Clock Calibration:	<+/-0.001 PPM
Atomic Clock Input:	10MHz @ 1Vpp, BNC
Sample Rates (kHz):	32, 44.1, 48, 88.2, 96, 176.4, 192, 352.8, 384
Clock Generators:	2 Independent Clock Generators
Varispeed:	+/-200 cents + 12.246 % 10.910 %
Operating Temperature:	0-50 °C, 32-122 °F
Weight:	8 kg, 17 lb Approx.
Dimensions (Approx):	482mm(W) x 89mm(H) x 203mm (D) 19"(W) x 3.5"(H) x 8"(D)
Power Supply:	AC Universal input 95-245VAC
Power Consumption:	40Watts Max
Fuses:	T 2A L

10MX

Atomic Reference Type:	Rubidium Ultra-Stable Resonance-Controlled Master Oscillator
Frequency:	10 MHz
Frequency Accuracy:	Better than ±5E-11 @25C (±0.05 PPB)
Aging:	Daily* ±2.5E-11 Monthly* ±1E-10 Yearly ±1E-9 (*After 1 day & 1 month of operation respectively)
Short-Term Stability:	t=1s ≤3E-11 t=10s ≤1.6E-11 t=100s ≤8E-12 Time drift in a 24-hr period: <7µs over 0°C to +60°C
Phase Noise (SSB):	1Hz ≤-70 dBc/Hz 10Hz ≤-87 dBc/Hz 100Hz ≤-114 dBc/Hz 1kHz ≤-130 dBc/Hz 10kHz ≤-140 dBc/Hz
Warm-Up Time:	8 – 10 minutes (depends on ambient temperature)
Maximum shock withstanding:	Non-operating, flight case mounted: 100m/s² (~10.2 g*), 11 msec half-sine pulse per IEC 60068-2-27:2008 Non-operating, in original packing: 300m/s² (~30.6 g*), 5 msec half-sine pulse per IEC 60068-2-27:2008 * g – gravitational acceleration
Power Supply Type:	AC
Power Supply Input:	100 – 240 V~
Power Consumption:	15 W
Atomic Clock Outputs:	10 x BNC Sinusoidal, 10MHz, 75 Ohm, 1Vpp typical (unload)
Outputs:	Word Clock: 4 x BNC AES/EBU: 2 x XLR S/PDIF: 2 x RCA
USB:	USB 2.0 Hi-Speed, Type B, only for control
Word Clock Specs:	TTL Level, 75 Ohm Output Impedance
Operating Temperature:	0 – 50°C, 32-122°F
Humidity:	30 – 80% RH non-condensing
Dimensions:	482.6 (W) x228 (D) x 44 (H) mm 19 (W) x 9 (D) x 1.73 (H) inch
Weight:	2.8 kg/6.17 lb

OCXHD

Clocking System:	4th generation Acoustically Focused Clocking 64-bit DDS Oven Controlled Crystal Oscillator
Clock Stability:	<+/- 0.02 ppm, oven controlled at 64.5 C/148.1 F
Clock Aging:	< 1 ppm per year
Clock Calibration:	<+/- 0.001 ppm
Atomic Clock Input:	10 MHz
Sample Rates Generated:	32, 44.1, 48, 88.2, 96, 176.4, 192, 352.8, 384, 705.6, 768kHz
Master Clock Outputs:	10x Word Clock Outputs up to 768kHz 4x AES/EBU Outputs up to 192kHz 2x S/PDIF Outputs up to 192kHz
Inputs:	2x Word Clock Inputs up to 768kHz 1x Video Input accepting wide range of SD and HD video signals 1x Atomic Input 2x S/PDIF Inputs up to 192kHz 1x AES/EBU Input up to 192kHz 1x USB Input for control
Power supply:	AC Universal Input ~95-245V, 20 Watts Max
Operating Temperature:	0 – 50°C, 32-122°F
Humidity:	30 – 80% RH non-condensing
Dimensions:	482.6 (W) x 230 (D) x 44 (H) mm 19 (W) x 9.05 (D) x 1.75 (H) inch
Weight:	2.65 kg/5.84 lb

LIVE Clock

Clocking System:	4th generation Acoustically Focused Clocking 64-bit DDS Oven Controlled Crystal Oscillator
Clocking Stability:	<+/- 0.02 ppm, oven controlled at 64.5°C/ 148.1°F
Clock Aging:	< 1 ppm per year
Clock Calibration:	<+/- 0.001 ppm
Atomic Clock Input:	10 MHz Sinusoidal, BNC, 75 Ohm, 1Vpp typical
Sample Rates Generated:	32, 44.1, 48, 88.2, 96, 176.4, 192 kHz
Outputs:	4x Word Clock Outputs up to 192 kHz 2x AES/EBU Outputs up to 192 kHz 2x S/PDIF Outputs up to 192 kHz
Inputs:	1x Word Clock up to 768kHz 1x Atomic Input
Word Clock Specs:	TTL Level, 75 Ohm Output Impedance
USB:	USB 2.0 Hi-Speed, Type B, only for control
Operating Temperature:	0-50°C/ 32 – 122°F
Power Supply:	DC Universal Input 12 – 18V
Power Consumption:	6W max.
Dimensions (device only):	
Width:	190 mm / 7,48“
Height:	46,8 mm / 1,84“
Depth:	134,8 mm / 5,30”

TRINITY

Clocking System:	4th Generation Acoustically Focused Clocking 64 bit DDS Oven Controlled Crystal Oscillator
Stability:	< +/-0.02ppm @ 64.5°C
Ageing:	< 1 ppm per year
Calibration:	< +/-0.001 ppm
Atomic Clock Input:	10MHz@1Vpp, BNC
Basic sampling rates (kHz):	32, 44.1, 48, 88.2, 96, 176.4, 192, 352.8, 384
Generators:	9 Independent and simultaneous: 3 audio, 3 HD, 3 SD
Gearboxing standards:	See Appendix A
HD formats:	See Appendix B
Varispeed:	+/-200 cents +12.246% -10,910%
Pull ups/downs:	+/- 0.1% NTSC and/or +/- 4% PAL -0.1% HD
Inputs	Universal video input on BNC. Recognizes all video formats automatically 2 selectable Word Clock on BNC 32kHz - 384kHz 1 AES/EBU on XLR. 32kHz - 192kHz @110Ω terminated 1 S/PDIF on RCA. 32kHz - 192kHz @75Ω terminated
USB :	2,0 full-speed

Outputs:

HD Video	6xBNC @75Ω
SD 1	BNC @75Ω fixed for NTSC video standard. Black Burst
SD 2	BNC @75Ω fixed for PAL video standard. Black Burst
SD 3	BNC @75Ω PAL 24/NTSC 30 selectable.Composite Sync
SD 4	BNC @75Ω PAL 48/PAL 47.95 selectable. Composite Sync

Wordclock: 16 BNC, 3Vpp @ 75Ω

	Word clock outputs except Audio A 256x				Audio A 256x
WC Basics	x1	x2	x4	x8	x256
32.0 kHz	32.0 kHz	-	-	-	8.192 MHz
44.1 kHz	44.1 kHz	88.2 kHz	176.4 kHz	352.8 kHz	11.2896 MHz
48.0 kHz	48.0 kHz	96.0 kHz	192.0 kHz	384.0 kHz	12.288 MHz

AES/EBU: 4 XLR @ 110Ω

	Word clock outputs except Audio A 256x				Audio A 256x
WC Basics	x1	x2	x4	x8	x256
32.0 kHz	32.0 kHz	-	-	-	-
44.1 kHz	44.1 kHz	88.2 kHz	176.4 kHz	-	-
48.0 kHz	48.0 kHz	96.0 kHz	192.0 kHz	-	-

S/PDIF: 4 RCA @ 75Ω

Power Supply:	AC, universal input 90 - 250VAC, 15W DC, 12VDC +/- 1VDC, 15W
Operating temperature:	0-50°C / 32-122°F
Weight:	4 kg / 8.8 lb
Dimensions:	482 mm (W) Ч 89 mm (H) Ч 203 mm (D) 19'' (W) x 3.5'' (H) x 8'' (D)

SATORI

Analog Inputs:	4 x Stereo Line Level Inputs. Ch1 on XLR & Ch2-4 on TRS 4 x Stereo Line Level Inputs on D-Sub 25 1 x Talkback Mic Preamp on TRS
Analog Outputs:	4 x Stereo Line Level Outputs on D-Sub 25 4 x Stereo Monitor Outputs, Mon1 on XLR and Mon2-4 on TRS 1 x Line Level Stereo Sum Output on TRS 1 x LFE Output on TRS 4 x Headphone Outputs (two on the rear and two on the front) on TRS
USB I/O:	USB 2.0 Hi-Speed, Type B For use with the software control panel
Dynamic Range:	132dB
THD + N:	127 dB
Operating Temperature	0-50°C / 32-122°F
Weight	2kg/ 4.4lb approx.
Dimensions (approx.):	
Width	483 mm/19”
Height	44 mm/1.75”
Depth	220 mm/8.66”
Power Supply	AC Universal input ~95-245 V
Power Consumption	25 Watts Max

MP32

Analog Inputs:	32 channels Mic / Line on XLR Combos on the front panel 1-4 of 32 channels are (HiZ) - Instrument selectable XLR Combos on the front
XLR Combos Analog:	
Mic (XLR only):	20dBu max balanced @ 2Kohm
Line (1/4 only):	29dBu max balanced @ 13K (to gnd)
Hi-z (1/4 only):	20dBu max unbalanced @ 1,1Mohm
Outputs	
Analog Outputs:	32 x Lines on 4 x D-SUB 25 (32 channels), 26 dBu max balanced @ 50 Ohms
USB I/O:	USB 2.0 Full-Speed Type B For use with the software control panel.
Mic Preamp Gain:	
Mic Pre:	5 to13dB in one 8dB step, 13 to 68dB in 1dB steps
Line:	-9 to 20dB in 1 dB steps
Hi-z	4 to 40dB in 1 dB steps
THD + N:	110.5 dB
EIN:	-129dBu
Operating Temperature:	0-50°C/32- 122°F
Weight:	6kg/ 13lb approx.
Dimensions (approx.):	Width: 482 mm/19”/Rack Height: 88 mm/3.5”/2U Depth: 210 mm/8.3”
Power Supply:	AC Universal Input 95-264V, 50 or 60Hz
Nominal Power Consumption:	44 Watts Max

MP8d

Analog Inputs:	8 x Mic / Line on XLR combos on the rear panel 2 x Hi-Z (instrument) inputs on TRS on the front panel (Mic inputs 1,2)
Analog Inserts:	2 x Inserts on TRS (inputs 1,2)
Analog Outputs:	8 x Lines on DB25 (8 channels) 1 x Stereo Headphone outs on TRS (2 channels)
Digital Inputs:	1 x MADI
Digital Outputs:	1 x MADI 2 x ADAT 1 x S/PDIF 1 x TOSLINK 1 x AES/EBU on DB9 (breaks down to 4 x XLR connectors, cable not included)
USB:	2.0 Hi-Speed, Type B, only for control
Atomic Clock:	1 x 10M Input @ 75 Ohms 1Vpp on BNC
Word Clock:	1 x Input @ 75 Ohms 3Vpp on BNC 32-192 kHz 2 x Output @ 75 Ohms 3Vpp on BNC 32-192 kHz
Mic Pre:	EIN 129 dB
A/D Converter:	Dynamic Range: 120 dB THD+N: -110 dB
Clocking System:	4th Generation Acoustically Focused Clocking 64-bit DDS Oven Controlled Crystal Oscillator
Clocking Stability:	<+/-0.02ppm, oven controlled at 64.5ÿC/148.1ÿF
Clock Aging:	< 1ppm per year
Clock Calibration:	<+/-0.001ppm
Atomic Clock:	10 MHz
Sample Rates:	32, 44.1, 48, 88.2, 96, 176.4, 192 kHz
Power Supply:	AC Universal input ~95-245 V, 20 Watts Max
Operating Temperature:	0-50°C/32-122°F
Weight:	3.3 kg/7.28 lb approx.
Dimensions (unit):	Width: 483mm / 19’’ Height: 44mm / 1.75’’ Depth: 230mm / 9.1’’

Notes

Digital Clarity
Analog Warmth

www.AntelopeAudio.com

v. 5.0/March 2016