

Antelope Audio Orion Studio

Šifra: 11582

Kategorija proizvoda: USB Zvučne kartice

Proizvođač: Antelope Audio

Cena: **143.880,00** rsd

ALL YOU NEED IN JUST 1U

Orion Studio fits Thunderbolt™ and USB connectivity, 12 mic pres and our renowned clocking in just 1U rack space.

Orion Studio is without a doubt a star in Antelope Audio's new line of Thunderbolt™ & USB audio interfaces. Its 12 Class-A Mic Pres make it the one and only piece of gear you'll need to record a full band and do it like a pro. Just like Zen Tour and Goliath, Orion Studio features our FPGA powered, hardware-based vintage FX, making it the top choice for professional guitarists on the quest for crafting the perfect tone. This best-selling interface also includes Antelope's traditionally stunning AD/DA conversion, powered by our very own, world-renowned 64-bit Acoustically Focused Clocking (AFC) technology for jitter management.

FEATURES

12 CLASS-A MIC PRES

Hi-Z, mic & line compatible preamps with phantom power

VINTAGE GUITAR FX

Hardware-based, FPGA powered effects for guitar amp modeling

THUNDERBOLT™ & USB

32 channels via Thunderbolt™ and 24 on USB for zero-latency audio streaming

64-BIT ACOUSTICALLY FOCUSED CLOCKING

AD/DA enhanced by our world-renowned jitter management algorithm

STUNNING AD/DA

24-bit, 192 kHz audio and Antelope's signature flawless conversion

ADVANCED CONTROL

Control Orion Studio via user-friendly desktop and mobile apps

DESCRIPTION

ORION STUDIO'S SECRET WEAPON

Custom FPGA will allow you to create and stream multiple complex mixes and process audio with zero 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-tweaked models, the FPGA provides the lowest latency possible, allowing you to create up to four independent, zero latency mixes. Those can be easily assigned to any output including the two separate headphone outs.

Now with the availability of AFX2DAW users can employ the real-time FPGA FX power in their preferred DAW environment allowing them to spend their time focusing not on technicalities and routing but on writing and producing music instead.

PRO GUITAR INTERFACE

Enjoy the true sound of classic guitar amps with Orion Studio's hardware-based Vintage FX.

Antelope Audio's custom FPGA makes Orion Studio the #1 audio interface for professional guitarists by being the perfect platform for our integrated vintage and contemporary guitar amp & cab simulations. Developed in collaboration with Overloud they bring precision and audio realism to a whole new level, allowing artists to experiment with multiple speaker configurations, mic placement and EQ settings. Our innovative RealModel technology allows us to vividly rebuild the true sound and behavior of classic analog gear. Playing and recording guitars has never felt so real!

ADVANCED REMOTE APPS

Device control as flexible as you can imagine

Orion Studio features an exciting new approach to control, allowing convenient device management from various access points, including multiple computers in the same network. The interface is fully controllable via user-friendly Software Control Panel. An intuitive iOS / Android mobile app gives you even greater freedom by granting full mic pres control from a smartphone or tablet.

CONNECTIVITY GONE WILD

Orion Studio can work with any DAW on the market via Thunderbolt™ or USB.

Orion Studio's FPGA powered Thunderbolt™ and custom USB guarantee the lowest sound latency on the market. The device's massive parallel processing capabilities allow fast, simultaneous streaming of multiple audio channels and instant effects processing. Thanks to the variety of digital and analog I/O, combined with the flexible routing matrix the device is easily connectable 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.**

“...it looks great, sounds fantastic, feels reliable and solid — everything a high end piece of

studio gear should be”



Matt Vanacoro, one of New York’s premier musicians, he has collaborated as a

keyboardist in studio and on stage with artists such as Jordan Rudess (Dream Theater), Mark Wood (Trans-Siberian Orchestra), Mark Rivera (Billy Joel Band), Aaron Carter and many more.

SPECIFICATIONS

ANALOG

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)

Analog Outputs

16 x Lines on 2 x DB25 (16 channels Line Out)

2 x Stereo Monitor out on TRS (4 channels, only 1 active pair at a time)

2 x Stereo Headphone outs on TRS (4 channels)

2 x ReAmp outs on TRS (2 channels)

D/A Monitor Converter

Dynamic Range: 129 dB

THD + N: -108 dB

A/D Converter

Dynamic Range: 120 dB

THD + N: -110 dB

D/A Converter

Dynamic Range: 120 dB

THD + N: -107dB

Mic Preamp

Gain: 0,10 – 65 dB

THD + N: -108 dB

DIGITAL

Digital Inputs

2 x ADAT (up to 16 depending on the sample rate)

1 x S/PDIF

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

Thunderbolt™ I/O

1 x Thunderbolt, 32 channels I/O

CLOCKING

Word Clock Input

1 x Input @ 75 Ohms 3Vpp on BNC 32 - 192kHz

Word Clock Outputs

1 x Outputs @ 75 Ohms 3Vpp on BNC 32 - 192kHz

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

32, 44.1, 48, 88.2, 96, 176.4, 192 (kHz)

OTHER

Operating Temperature

0-50°C, 32-122°F

Weight

3.1 kg/ 6.83 lbs (approx)

Dimensions (Approx)

Width: 483 mm / 19"

Height: 44 mm / 1.7"

Depth: 220 mm /8.6"

Electrical specs

DC Universal input: 18V

Power Consumption: 25 Watts Max

In the box

Orion Studio – Thunderbolt™ and USB AD/DA

Interface with 12 mic pres

Owner's Manual

Warranty Card

1 DC Power supply

1 USB cable

System requirements

WINDOWS

Windows OS: Windows 10

Disk Space: Minimum 512 MB available disk space

USB: 1x USB 2.0 Port

Required USB bandwidth: 80%-90%

Thunderbolt (Beta): 1x Thunderbolt port. See our [Thunderbolt FAQ section](#).

CPU: Intel or AMD equivalent CPU with at least 2GHz operating frequency

Memory (RAM): 4GB Minimum (8GB or more Recommended)

MAC

MACOSX: 10.11 and above (High Sierra recommended)

Disk Space: Minimum 512 MB available disk space

USB: 1x USB 2.0/3.0 Port

Thunderbolt: 1x Thunderbolt/USB-C Port

Required USB bandwidth: 80%-90%

Memory(RAM): 4GB Minimum (8GB or more recommended)

CPU: Intel Core 2 Duo (Minimum) Intel Core i3™ or higher (Recommended)

Additional Info: Internet connection required for product activation.