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PHOENIX | NET

Audiophile-Grade Network Switch

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PHOENIXNET

Audiophile-Grade Network Switch

Designed from
the ground up for
network audio



Typical IT network switches/routers are designed with the sole purpose of taking data from A to B with a noise floor and precision that is “enough” for the rate of transmission. This is fine for data networks but when sensitive components such as DACs and Pre-Amplifiers are involved, it will have an audible impact on sound quality.

The PhoenixNET is the realization of Innuos’ philosophy of simplicity and signal purity applied to the network switch. Having started with improvements to the Ethernet ports’ clock on our flagship STATEMENT, Innuos has now taken the concept to the next level with a completely new network switch design that focuses exclusively on audio use.

Design is focused on 4 areas

- **Minimize Network Switch Noise**

Reduces high-frequency noise through a simpler 100Mbps network switch chip with no power switching regulators. Connected through high-end Isolation Transformers to individual Amphenol RJ45 shielded jacks with no LEDs and complemented with EMI treatment to further prevent noise into the circuit.

- **Increase Clocking Precision and Stability**

A 3ppb 25MHz OCXO oscillator, as used in our flagship STATEMENT, individually powered by its own linear power supply and connected directly to the network switch chip.



- **Provide Pristine Power to the Components**

Two independent STATEMENT grade linear power supplies designed by Sean Jacobs with CX modules and Mundorf Caps to individually power the OCXO clock and the mainboard, keeping the power path short with less opportunity for EMI contamination.

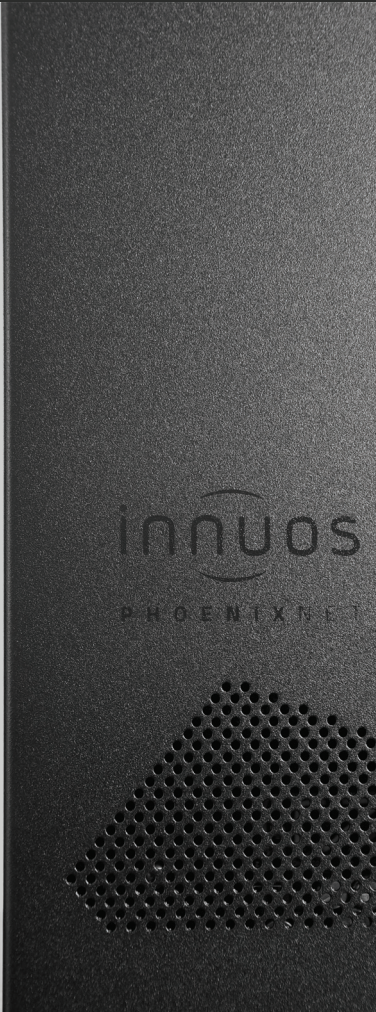
- **Minimize Vibration on Components**

Vibration managed using custom designed CNC machined aluminium feet with an internal compound tuned to the resonant frequency of the chassis. The top cover is treated to convert vibration into small amounts of heat and sturdy RJ45 ports use silicone rings to minimize vibration coming from the chassis.



Recommended Retail pricing
for the new PhoenixNET
Audiophile-Grade
Network Switch:

- 2 749 EUR
- 2 599 GBP
- 3 499 USD
- 4 549 CAD



Specifications

Input/Output

1x RJ45 input, 3x RJ45 outputs

Network Speed

100Mbps Network Speed

Power

Mains Supply: 230 AC / 115V AC - 2x internal linear

Power Consumption: 3W idle, 7.5W peak

Dimensions: 215mm x 342mm x 87mm (W x D x H)

Weight: 5Kg



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