transform.engine
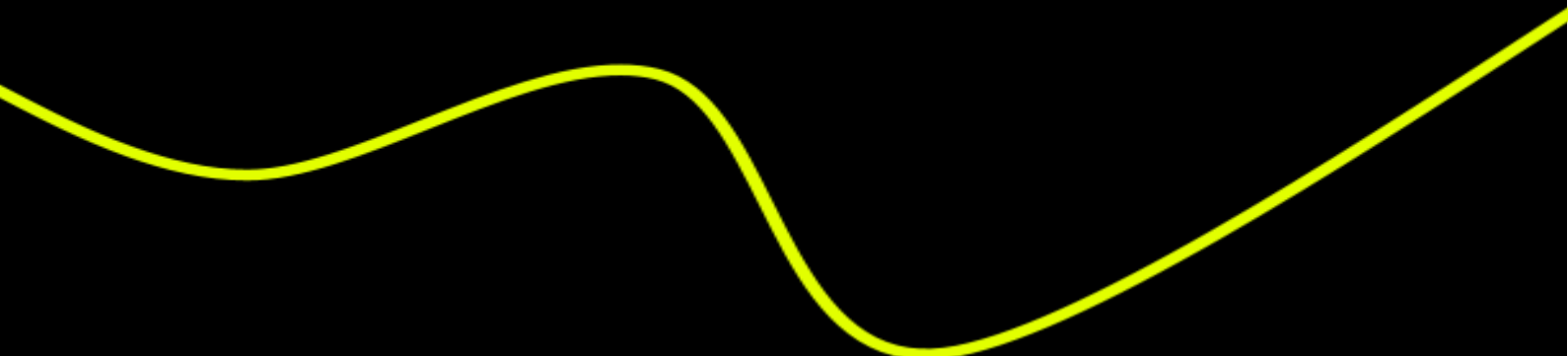by **fourier**audio

live plugin host.

introducing **transform.**engine

transform.engine brings dante-connected studio-grade audio software plugins to live productions and broadcasts around the world in a robust 2U rackmount server.

any plugin, live.
transform.engine runs VST3 plugins, giving engineers and creatives access to the very best studio-grade processing on a robust platform that is specifically designed for the complexities of live productions.

reliability at its heart.
Fourier Audio's patent-pending audio software engine provides a rock-solid plugin sandbox. Should a plugin crash, the rest of the system will not only be unaffected, but the **transform.**engine will restart the plugin before you realise it failed.

under your fingers.
Designed to be integrated directly into live audio workflows, **transform.**engine delivers control of plugins directly under the fingers of engineers. Beginning with DiGiCo.
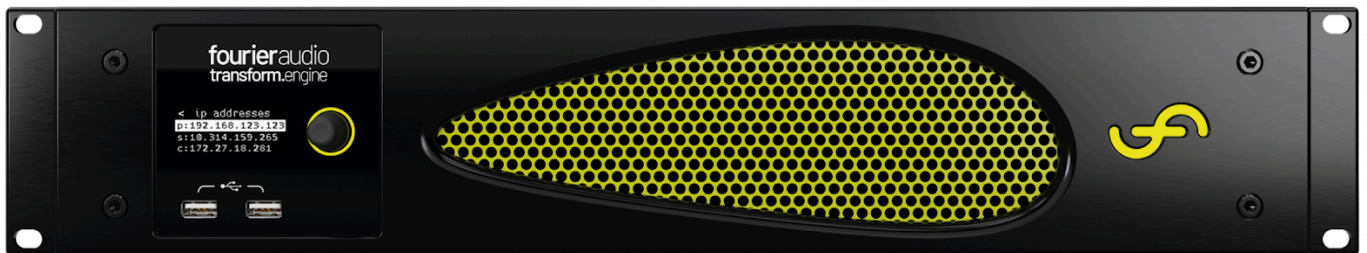
need for speed.
transform.engine has been tuned to deliver the lowest-latency solution on the market for hosting VST3 plugins, whilst preserving the reliability and performance of the engine.

get going in seconds.
Designed as a turn-key solution for plugin hosting, **transform.**engine is easily controlled by a remote Windows/macOS client application. No more relying on complex setups - simply connect to the engine from the client, install your plugins and get processing!

built to be toured.
With hardware designed by the same team that brought DiGiCo consoles into the world, **transform.**engine is built upon decades of experience in building tourable, reliable and long-lasting hardware.

[redundant dante + control networks]   [midi in/thru/out]

[4 x usb ports for licence keys behind security panel]   [2 x redundant psu]

transform.engine

fourieraudio

live plugin host: hardware specification

processing platform

cpu	Intel Alder Lake i9-12900
dsp ram	24 GiB DDR5-4800 non-ECC
dsp storage	400 GiB NVMe

audio io

connectors	2 x etherCON gigabit ethernet
protocol	dante (redundant)

dante

channels	64 bidirectional
redundant network	yes
PTP clock leader support	yes
sample encoding	PCM16 / PCM24 / PCM32
minimum network latency	1 ms

dsp pipeline

bit depth	64-bit / 32-bit float
sample rate	44.1 / 48 / 96 kHz
latency	1 ms @ 96 kHz, 32 sample buffer

additional io

control network	1 x etherCON gigabit ethernet
midi	5-pin din opto-isolated in / out / thru
rear usb bay	4 x USB 2.0
front-panel usb	2 x USB 3.0

local ui

front-panel display	monochrome oled
input	encoder with status indicator

plugin engine

compatible plugins	windows 10 compatible vst3 plugins that can be installed and licensed offline. For more information, see our [compatibility database]().

thermal

strategy	forced-air differential pressure
cpu	noctua active cooling
operating spec	10 - 40 degrees celsius 20 - 95 % relative humidity (non-condensing) max. altitude 2000 m asl

power

inlet	dual redundant iec, switched and filtered EN 62368-1
redundant	yes
spec	200 W, 100-240 V_{AC}, 50/60 Hz 2.2 A @ 110 V_{AC}, 1.1 A @ 230 V_{AC}

chassis

design	custom touring-grade
ingress protection	ip30

physical

mass (unit)	5.5 kg
dimensions (unit)	483 mm (w) x 385 mm (d) x 89 mm (h)
rack height	2U
rack depth	360 mm

remote client (for configuration)

compatible OS	macOS (11 onwards - m1/intel) windows (10 onwards)

warranty	2 years rtb

VST® COMPATIBLE

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