

Some Outstanding OPTOCORE Features

- Open Standard

OPTOCORE is an open platform, which is able to transparently send MADI, AES/EBU, Ethernet and Serial data such as DMX, MIDI, RS485/422 and CAN BUS seamlessly through the network.

- Open Platform

Offering complete system solution, we openly co-operate with different manufacturers to ensure OPTOCORE devices are fully compatible with all consoles and pro-audio devices. Our technical partners include: AVID, DiGiCo, Lawo, Soundcraft, Studer, SSL, Neumann, Clear-Com, Yamaha and many others.

- Resilient and Scalable

OPTOCORE's solution is a flexible, scalable, and future proof system with redundancy included as standard. The CAT5 synchronous network SANE can be used as stand alone ring or it is possible to build a unique system with a fiber optic based high channel count core and smaller CAT5 based breakouts. As your requirements grow simply add devices for new functionality or a higher channel count.

- Cost Efficient

OPTOCORE utilises the most up to date electronics technology to ensure we provide the most up to date progressive, innovative solutions at a very competitive price regardless of system complexity and scale.

- "R" series.

"R" series devices now offer increased features and efficiency reduced carbon footprint and a substantial decrease in cost while consequently providing a much more energy efficient option – with a reduced power consumption of 40%.

"R" Series devices provide 100% more fiber bandwidth offering 2Gbit operation, providing for an astonishing 1024 input channels per ring plus unlimited number of output channels. This means single rings have even more capacity, and stacked rings for unlimited number of inputs get even more easy.

All "R" series devices will operate down to minus 20 degrees Celsius and feature 50µ hard gold plated connectors for premium quality and long life.

- SANE

SANE protocol, creating the first fully synchronous 24 ID CAT5 network solution for streaming and transmitting data in real time. Offering a unique non proprietary open standard transport platform, SANE is the perfect medium for transporting AES/EBU, MADI as well as Ethernet in full scale.

Via the SANE port the network designer can become highly creative enabling him to add analogue channels, further Ethernet and MADI devices to the network.

- Synchronous Transmission

OPTOCORE uses synchronous transmission which means it is possible to transport extremely low-jitter Word Clock together with audio and video.

- Lowest Latency

OPTOCORE is known for it's extremely low latency – 41,6 µs, this value is fixed regardless bandwidth and number of devices in the network.

- Modular Way

Due to a modular approach, multiple options such as, X6R-FX/V3R-FX/DD32R-FX or MADI-FX fiber versions, containing both OPTOCORE fiber, as well as SANE ports (CAT5/RJ45), in addition to X6R-TP/V3R-TP (CAT5) are possible. The system has unrivalled and peerless flexibility.

- Independent gain control from different consoles

With Multiple Emulation Mode, OPTOCORE's high sonic performance microphone preamps, can be directly controlled from up to four digital consoles provided by different manufacturers. OPTOCORE currently supports control from 90% of digital consoles on the market.

- Dual microphone pre amps

OPTOCORE Dual Mic devices provide two independent microphone preamps for each input, each preamp can be individually controlled from different consoles with true analogue 1db gain steps.

- Unique wide Portfolio

The product portfolio is unique, wide and complete as OPTOCORE designs, manufactures and distributes analogue converters, digital devices, multimedia transceivers, Ethernet devices, MADI devices, return systems, YGDAL cards and OEM devices (Clear-Com).

- 19 years of experience made in Germany

We are proud to be the pioneers of audio networking, offering the world's first and only synchronous fiber optic and CAT5 network for audio, video and data. You can buy a lot – but not experience.

OPTOCORE products are designed and manufactured in Germany.

