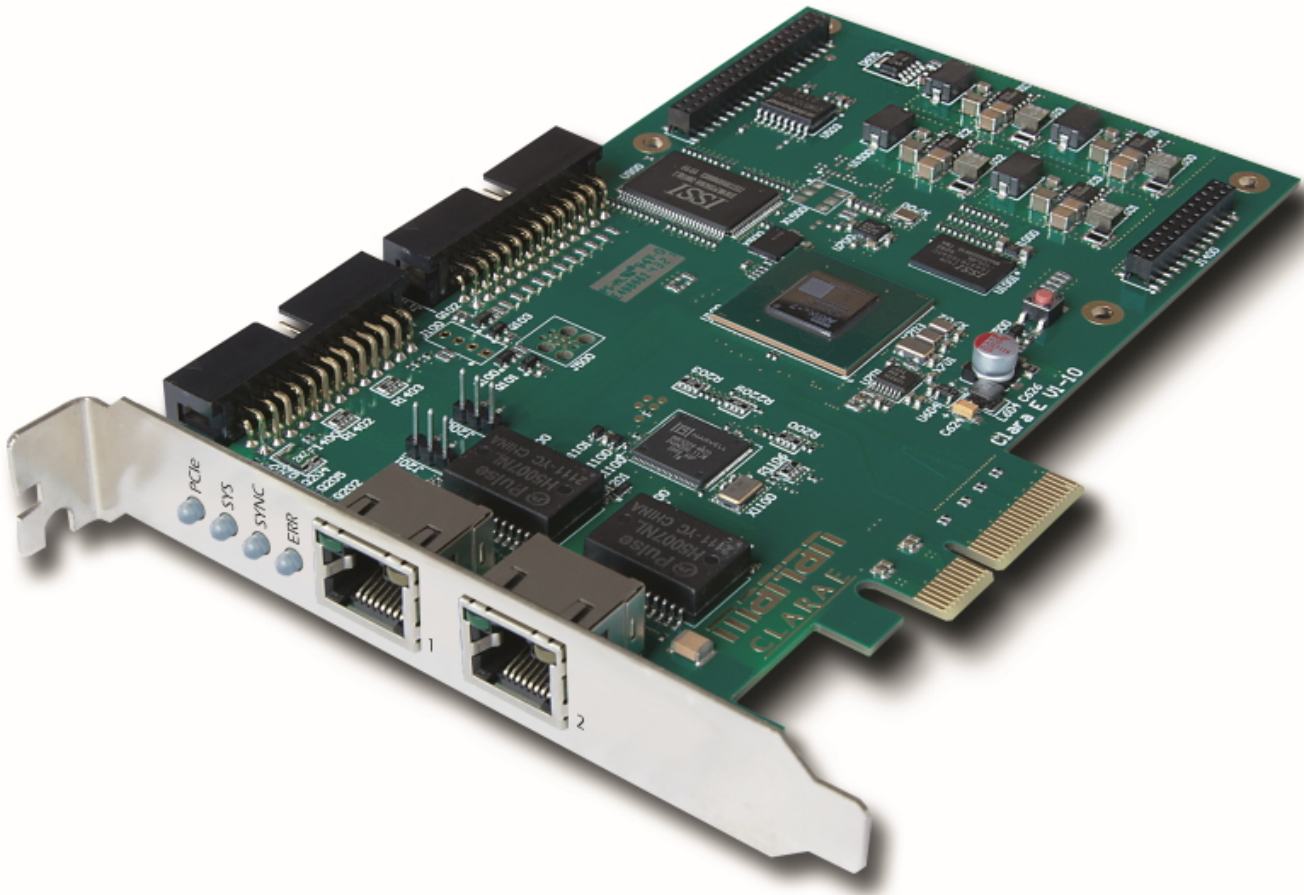


MARIAN Clara E

Reliable Dante solution with up to 1,024 channels



MARIAN introduces the Clara E PCIe audio solution, enabling a seamless integration of audio computers in Dante networks. Digital real-time transfer of up to 1,024 uncompressed audio channels via standard Ethernet infrastructures make Dante one of the most versatile audio distribution systems. MARIAN combines this versatility with its own technology to achieve exemplary reliability.

The Dante format has been established as a quasi-standard for real-time transfer via Ethernet connection. MARIAN combines the renowned flexibility of Dante with the proverbial reliability of its Clara and Seraph systems in the new Clara E. The solution can work in tandem with other MARIAN solutions through the TDM bus, behaving like one cohesive sound systems towards the audio software. Well-developed latest-generation MARIAN drivers feature both multi-client support for ASIO 2.2 and multichannel WDM audio / WASAPI, guaranteeing extremely short latency of around a millisecond through the fast PCIe connection.

With a maximum of 512 bidirectional channels transmitted via IP, Dante revolutionised the real-time transmission of digital audio. Dante is easy to integrate

into existing Ethernet infrastructures, configuring itself for the most part, allowing for a cost-effective and flexible audio network. MARIAN Clara E opens the Dante universe for the users, giving them access to up to 512 inputs and outputs at 48 kHz. At 96 kHz there are 256 channels available, at 192 kHz the channel count is still at an impressive 128 inputs and outputs.

MARIAN audio solutions are known for their reliability under all circumstances. Clara E satisfies strict broadcast standards in that regard. Two separate Ethernet connections enable full hardware redundancy – if one line fails, the system immediately switches to the other one without interruption. Clara E boasts flexibility beyond Dante: both Ethernet ports are AES67 compatible, allowing to alternatively work with Ravenna or other Audio-over-IP formats.

With its staggering number of channels, Dante presents unprecedented possibilities in complex installations. However, managing these resources is a challenge in itself. MARIAN overcomes this challenge with the 1,024 x 1,024 real-time routing matrix integrated with Clara E. Even internal sources or signals from other systems connected through the TDM bus can be managed seamlessly, including level-adjustments inside the matrix. Clara E also comes with the proprietary Beast digital mixer. Its 64 inputs can access all audio resources within the computer and from the installed MARIAN systems, mixing them latency-free to eight sums. All input channels feature parametric four-band EQs modelled after analogue high-end studio consoles. The Beast is processed entirely on the MARIAN DSPs, leaving the host computer's CPU untaxed.

Up to 1,024 Dante channels and direct access to other MARIAN solutions installed in the host computer – even if this versatility is impressive, the possibilities of the MARIAN Clara E go even further. Optional modules expand the system by additional inputs and outputs like digital AES/EBU interfaces, integrating these signals seamlessly into the Dante universe. The MWX version Clara E+ adds MIDI interfaces to the system, making it the control centre of complex installations and studio setups.

MARIAN Clara E audio solution is available from mid August at specialist retailers and directly from the online shop at cma.audio. The MSRP including VAT are 1,980.00 euros for Clara E and 2,080.00 Euro for Clara E+.

www.cma.audio
www.marian.de