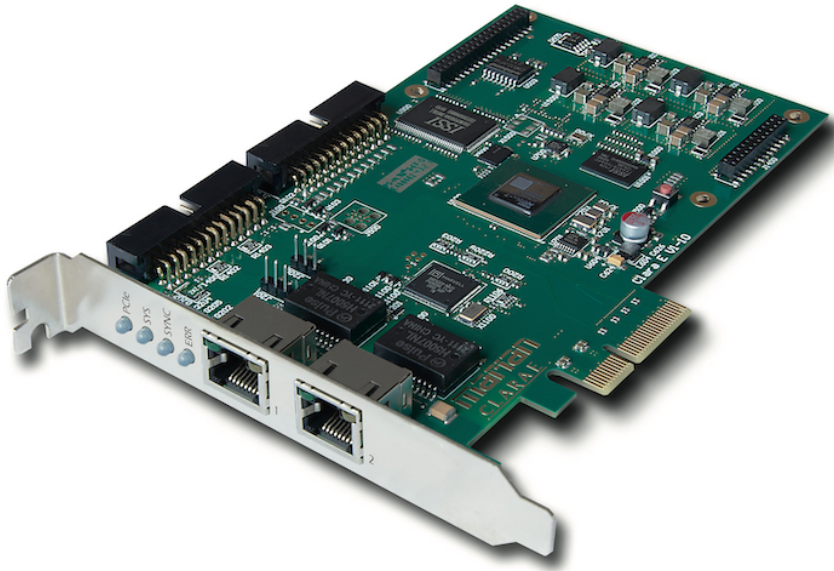


## MARIAN Clara E: reliable Dante solution with up to 1,024 channels



Clara E expands the MARIAN portfolio with an audio solution for the seamless integration of Dante Audio-over-IP networks in computer-based production systems. Equipped with two independent Ethernet ports, the PCIe audio solution features redundancy on the hardware side. Combined with elaborate drivers, the system achieves a level of reliability fit for demanding broadcasting applications. The integrated 1,024 x 1,024 channel routing matrix allows for comfortable management of up to 512 bidirectional Dante channels and all internal resources. The integrated Beast DSP mixer provides sophisticated signal processing and mixing functions. With the MWX option and separately available add-ons, Clara E can be enhanced with additional digital and analogue audio interfaces as well as two MIDI inputs and outputs.

### The contents of this press release

- MARIAN presents Clara E Dante audio solution
- Future-proof Dante technology and proven MARIAN quality
- Up to 1,024 Audio-over-IP channels
- Broadcast features included: redundancy and AES67 support
- Latency-free real-time routing and integrated digital mixer
- Expandable versatility
- Prices and availability

### Summary

**MARIAN presents Clara E Dante audio solution**

### **Manufacturer**

MARIAN

### **Products & Prices (incl. VAT)**

Clara E: 1,980.00 EUR

Clara E+: 2,080.00 EUR

### **Availability**

From mid August

### **Distributor**

cma audio GmbH

### **Websites**

[www.cma.audio](http://www.cma.audio)

[www.marian.de](http://www.marian.de)

### Images

#### **Main image**

[http://cmaaudio.rtfm-pr.de/MARIAN\\_Clara\\_E.tiff](http://cmaaudio.rtfm-pr.de/MARIAN_Clara_E.tiff)

#### **Image archive**

[http://cmaaudio.rtfm-pr.de/MARIAN\\_Clara\\_E.zip](http://cmaaudio.rtfm-pr.de/MARIAN_Clara_E.zip)

### Devices for testing

If you are interested in a sample device for review purposes, please write us an e-mail.

### Press contact

#### **rtfm GmbH**

Moritz Hillmayer

Tel.: +49 (0)911/310 910-0

E-mail: [cma.audio@rtfm-pr.de](mailto:cma.audio@rtfm-pr.de)

### Company contact

#### **cma audio GmbH**

Münchener Straße 21

D-82131 Gauting (Germany)

E-mail: [gmbh@cma.audio](mailto:gmbh@cma.audio)

Website: [www.cma.audio](http://www.cma.audio)

**Gauting, 14<sup>th</sup> July 2022** – 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.

### **Future-proof Dante technology and proven MARIAN quality**

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.

### **Up to 1,024 Audio-over-IP channels**

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.

### **Broadcast features included: redundancy and AES67 support**

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.

### **Latency-free real-time routing and integrated digital mixer**

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

## PRESS RELEASE

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.

### **Expandable versatility**

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.

### **Prices and availability**

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

**About MARIAN**

As one of the leading manufacturers of PCIe audio cards, the Leipzig-based company MARIAN has been developing professional solutions in the field of digital audio electronics for more than 20 years. Audio professionals as well as customers from different industries such as medicine, security and research rely on the analogue, ADAT, AES/EBU and MADI cards made by MARIAN. The experienced manufacturer also offers tailor-made OEM solutions for customers with individual demands such as EADS Germany, MDOUK Broadcast and Ultra Electronics (UK). Development and production are completely "Made in Germany", MARIAN emphasises uncompromising quality and long-term viability of its PCIe DSP audio systems.

[www.marian.de](http://www.marian.de)

**About cma audio / Lake People electronic**

As a company group, cma audio GmbH and Lake People electronic GmbH are ideal partners and service providers for products and solutions in audio technology. Lake People develops and manufactures high-quality audio electronics and cma audio distributes audio products, systems and services.

With its brands Lake People, Vioelectric and Niimbus, Lake People electronic GmbH provides both professional and audiophile markets with excellent headphone amplifiers, converters and tools. The claim "Made in Germany" defines the company and its 35-year tradition. The entire development and manufacturing take place under the watchful eye of founder and mastermind Fried Reim in Constance, with even most of the suppliers coming from Germany.

Distribution is handled by cma audio GmbH, the experienced and globally operating value added distributor. For German brands, cma audio opens markets around the world, while also granting international brands wide-ranging access to European markets. Renowned brands like Audeze, Chord Electronics, IsoAcoustics, MARIAN, Mogami, OEAudio, Prism Sound and SPEAR Labs trust in the services of cma audio. The team, located in Gauting near Munich, Germany, passionately and competently care for the company's exclusive portfolio and have established cma audio as a reliable partner for resellers, online shops, system houses and professional as well as institutional users for over 20 years.

[www.cma.audio](http://www.cma.audio)

[www.lake-people.de](http://www.lake-people.de)