Press RELEASES

PR-No. 07 – 28. May 2024

Genesys Logic Launched USB4® Redriver – BW9906

Genesys Logic, Inc., a leading IC design company in mixed-signal, high-speed I/O technologies, today announced BW9906, its high-performance and cost-effective USB4® Redriver.

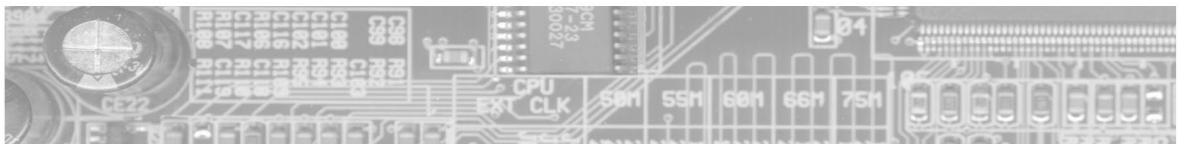
The introduction of Intel and AMD's USB4® interface-enabled PC and server processor platforms has rapidly increased in USB4® market penetration. However, with transfer rates reaching 20Gbps x 2 and above, higher speeds also mean that systems face faster signal degradation. In order to address this issue, Genesys Logic has launched the USB4® Redriver, a signal recovering device.

Genesys Logic USB4® Redriver BW9906 is not only backward compatible with USB 3.2 Gen 2 x 1 and USB 3.2 Gen 2 x 2, but also supports the Alternate Mode of DP2.1 UHBR20.

The sample of Genesys Logic USB4® Redriver BW9906 has already been delivered to the tier one NB and motherboard manufacturers to develop jointly new cost-effective USB4® models with new-generation platforms.

Other unique features offered by Genesys Logic USB4® Redriver BW9906 include:

- Low power consumption. Power consumption < 637mW and sleep mode < 3.3mW. (Full power consumption saves about 90% of power consumption compared to mainstream USB4® Redriver in the market).
- It supports I2C operation mode, enabling system R&D engineers to adjust the parameters independently according to the high and low frequencies of different cables or PCB materials to achieve the best compensation for signal degradation.



- It supports linearity up to 1200mVpp, fulfilling more accurate signal transmission and reception than other competitive products.
- The linear swing feature of Genesys Logic Redriver Solution reduces waveform interference and improves overall signal quality.
- EQ enhancement range is up to 12.6 dB, providing better signal scalability than other competitive solutions.

Availability and Pricing

The BW9906 is expected to be available in the market by the end of 2024.

More Information about availability, samples and pricing, please visit email: sales.europe@macnica.com.

Contact:

Press
Macnica ATD Europe GmbH
Josef Sigl
Tel. +49-89-899143-11
Email: sales.europe@macnica.com

Sales
Macnica ATD Europe GmbH

Tel. +49-84188198-121
Email: sales.europe@macnica.com

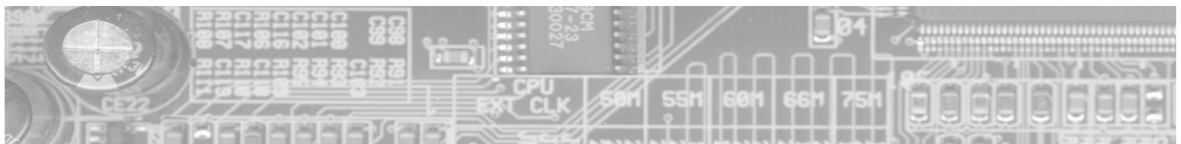
About Genesys Logic

Genesys Logic specializes in the design, manufacturing, testing, and selling of ICs for PC peripherals and related products, and provides comprehensive solutions for consumer electronics and systems manufacturers.

Our core competency lies in the development and application of high-speed SerDes technology. We provide a complete range of products based on the USB4®/3.2/2.0, SD 8.0/7.1/4.0/3.0, and PCIe 5.0/4.0/3.0 interfaces for multiple application areas. We continuously live up to the market leadership and product innovation, and actively develop high-end manufacturing processes, and diverse niche products with high added values.

For more information on Genesys Logic and its products, please visit the website at https://www.genesyslogic.com.tw.

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About Macnica ATD Europe GmbH
Macnica's ATD Europe GmbH, (former Macnica GmbH), was originally established in the UK in 2006, and moved to Germany in July 2008, to increase efficacy of its service for European customers.

By it's acquisition of the Munich based company Scantec Mikroelektronik in 2014 Macnica Europe formed a powerful semiconductor distribution with headquarter in Ingolstadt and offices in Munich, Regensburg, Milton Keynes (UK) and Warsaw offering an attractive and competitive portfolio of highly sophisticated devices.

Macnica provides end to end support from design-in to production through its global service network to its customers, regardless of the final destination of the product shipment to customers' manufacturing locations.

About Macnica ATD Europe S.A.S.
Founded in 1990 as ATD Electronique, Macnica ATD Europe headquarter offers innovative components dedicated to imaging applications for the European market. Its product portfolio includes: image sensors (CCD, CMOS, InGaAs, Thermal etc.), optics, interface circuits, FPGA & IPs, imaging processors, cables and OLED microdisplays.

It also covers development tools and design services enabling fast and efficient realization of new high-performance camera systems for markets such as machine vision, medical, life sciences, surveillance, automotive and others. After the acquisition of the company by Macnica Inc. as of October 1, 2020 the company operates under the name Macnica ATD Europe.

About Macnica, Inc.
Macnica was established in 1972 as a semiconductor distribution company headquartered in Yokohama, Japan, and has over 85 sales offices worldwide in eastern Asia, Europe and the USA. Total number of employees is over 3,900 and its consolidated revenue for fiscal 2021 was approximately US$ 7.6 B.

Macnica is famous for having an excellent engineering team of more than 900 application support engineers, IC designers and software developers with strong focus on providing technical support for its customers including custom design services. Macnica is continuing to extend its presence globally by having successful partners in strategic areas in the electronics market.

More information about Macnica: https://www.macnica.com/global/en/home.html.

