

Press



RELEASES

PR-No. 15 – 12. October 2022

Parade Introduces PCI Express 4.0 Linear Redriver with 2×2 Crossbar Switch: PS8570 Enables Low Power Operation and Flexible Interconnect

San Jose, Calif. – 07 September 2022 – Parade Technologies, Ltd. (Taiwan OTC: 4966.TWO), a leading high-speed interface, video display, and touch controller IC supplier, announces the availability of the PS8570 PCIe Express 4.0 16Gbps linear redriver for PC, server and datacenter applications.

The PS8570 features a quad-channel unidirectional linear redriver with a 2×2 crossbar switch. Multiple PS8570 devices support x4, x8 or x16 bidirectional links. The PS8570 is fully compliant with the PCI Express 4.0 specification. The PS8570 features very low active power, less than 70mW/channel for 16Gbps operation. It supports L1 PM Sub-states, resulting in ultra-low standby power in the low mW range. The low-power design facilitates high-speed system implementations while greatly extending the battery life of mobile devices.

The PS8570 implements a 2×2 crossbar switch, which enables multiple connection topologies. It supports applications such as two RCs (Root Complexes) sharing with one EP (End Point), two EPs with one RC, or two RCs with two EPs. This allows OEMs to implement high-performance PCIe interconnect and storage systems. One example would be a gaming PC motherboard, with dual graphics slots (two EPs) sharing a PCIe4 bus from the CPU (one RC). “PS8570 features the industry’s lowest operating power for a PCIe 4 linear redriver,” says Jimmy Chiu, Executive VP of Marketing at Parade Technologies. “OEMs can now enable PCIe4 16Gbps support for power-sensitive mobile devices. The 2×2 crossbar switch allows for flexible interconnect configurations for high performance systems.”

MACNICA
ATD EUROPE

MACNICA ATD Europe GmbH,
85055 Ingolstadt

www.macnica.eu

MACNICA
ATD EUROPE

MACNICA ATD Europe GmbH,
82110 Munich



Press



RELEASES

Availability and Pricing

The PS8570 is currently sampling in a 2.8mm x 6mm 38-pin QFN Halogen free RoHS package. Commercial (0 to 70oC) and industrial temperature (-40 to +85oC) versions are available. For more information availability 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. +49-84188198-102
Email: sales.europe@macnica.com

About Parade Technologies

Parade Technologies, Ltd. is a leading supplier of mixed-signal ICs for a variety of increasingly used high-speed and display interface standards used in network and storage systems, computers, automotive, consumer electronics, and display panels.

Parade is a fabless semiconductor company founded in 2005 and is publicly listed on Taipei Exchange (TPEX stock code: 4966). Parade's portfolio of signal conditioning IC products serves the growing demand for high-speed data-integrity solutions for HDMI™, DisplayPort™, USB, and PCI Express interface applications.

Parade leverages its close relationships with market leading Tier-1 OEMs to develop ICs that enable competitive system capabilities. Parade is also a key contributor to industry standards. The company's devices integrate proprietary technologies that offer superior signal integrity as well as improved system integration and power efficiency. As a result of the company's "standards-plus" design philosophy, Parade ICs have been designed into products offered by nearly every leading computer and display vendor worldwide.

For more information, go to <https://www.paradetech.com/>.

About Macnica ATD Europe GmbH, (former Macnica 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 its acquisition of the Munich based company Scantec Mikroelektronik in 2014 Macnica Europe formed a powerful semiconductor distribution with headquarter in

MACNICA
ATD EUROPE

MACNICA ATD Europe GmbH,
85055 Ingolstadt

www.macnica.eu

MACNICA
ATD EUROPE

MACNICA ATD Europe GmbH,
82110 Munich



Press



RELEASES

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 3,500 and its consolidated revenue for fiscal 2020 was approximately US\$ 5.5 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.

MACNICA
ATD EUROPE

MACNICA ATD Europe GmbH,
85055 Ingolstadt

www.macnica.eu

MACNICA
ATD EUROPE

MACNICA ATD Europe GmbH,
82110 Munich

