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Bellnix®

PALTEK ソリューションサプライヤ
株式会社 **PALTEK**

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PALTEK Corporation to launch sales of Bellnix DC-DC ¹⁾converters capable of driving cutting-edge PLDs ²⁾ and ASSPs ³⁾

PALTEK Corporation (President and CEO: Tadahito Takahashi, "Paltek") a leading Semiconductor and related Software solutions supplier in the Japanese market, recently announced the launch of sales of ultra miniature DC-DC converters for PLDs and ASSPs, manufactured by the power supply supplier Bellnix Co., Ltd. (President: Shotaro Suzuki, "Bellnix"). With this launch, PALTEK will now supply its own mainstream PLDs and ASSPs combined with Bellnix products. This development solidifies PALTEK's ability to provide comprehensive solutions in line with the growing trend towards high performance, highly reliable low voltage and high current products.

In recent years lower voltages and higher currents on circuit boards have rapidly progressed as PLDs and ASSPs have become denser, faster and smaller. The DC-DC converters that supply power to such cutting-edge ICs also demonstrate high performance, high reliability, fast load response and high efficiency, and the demand for products that are compatible with low voltages and high currents is increasing. Bellnix's DC-DC converter is indispensable for maximizing the performance of the latest ICs and for ensuring highly reliable functioning.



- Fast response time: T=160 ns; Efficiency: 90-93%
- External condensor not necessary
- Heat sink ⁴⁾ not necessary
- Includes circuit to protect against short-circuits and power overloads
- Output voltage adjustment function
- Astonishingly miniature size
- Operating temperature range: -40 to +85
- Includes On / Off control

PALTEK's strength is in the semiconductor market for specific applications, including PLDs and ASSPs. The Company provides solutions based on the wealth of experience and support capabilities it has cultivated in these areas. The move to handle Bellnix products is triggered by the demand for DC-DC converters compatible with denser, faster and more highly miniaturized PLDs and ASSPs, developments that are advancing at a rapid pace. The Company aims to strengthen and expand its high value-added solutions for Japan's PLD and ASSP markets, and plans to particularly focus on communication device-related and industrial equipment-related markets.

About PALTEK Corp.

Since its founding in 1982, PALTEK has supplied semiconductors and related software solutions to the Japanese market. With particular strengths in Programmable Logic Devices (PLDs), Application Specific Standard Products (ASSPs) and Networking related semiconductors, the Company has gradually improved its performance and in 1998 PALTEK made its Initial Public Offering on JASDAQ. PALTEK abides by the principle of Symbiosis, by which it means the symbiosis of technology and people and additionally the symbiosis of the Company and its customers in mutually-reinforcing growth. Going forward, PALTEK will continue to work to contribute to the development of the network industry by providing optimal hardware and software solutions.

For more information, please visit PALTEK's website at <http://www.paltek.co.jp/>.

About Bellnix Co., Ltd.

Bellnix designs and manufactures electrical equipment and power supply systems, the heart of electronics. The company primarily handles industrial DC power supplies used in high frequency switching regulators, high precision, high voltage DC power supplies, analog/digital hybrid ICs and products for microcomputers. Most of its employees are technicians specializing in analog/digital or high voltage and the company is most proficient in developing and commercializing electronic products that integrate these two technologies. Bellnix has developed Japan-first high voltage distributors for quantum mechanics and "top quark" research. They are currently in use at several European atomic nucleus laboratories and high-energy physics laboratories and many of the world's physicists conduct their research with this system.

For more information, please visit Bellnix's website at <http://www.bellnix.co.jp/>.

Glossary of Technical Terms

1. DC-DC converter: a power supply that creates DC voltage from DC voltage
2. PLD: Acronym of "Programmable Logic Device," a semiconductor that allows the designer to easily switch programs
3. ASSP: Acronym of "application specific standard product," a semiconductor for a specific application
4. Heat Sink: a plate that absorbs heat

For questions regarding the information contained in this press release, please refer to the following.

1. For press release related questions

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2. For product-related questions

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