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Panasonic presents the smallest DAB/DAB+/DMB module for digital radio reception

With the new ATD8ZP family, Panasonic Industrial Devices Europe GmbH has developed the world's smallest* DAB/DAB+/DMB modules. The SMT-compatible components are intended for digital in-car radio reception using entertainment solutions (head units) or navigation devices. As well as original equipment, Panasonic also has its sights on retrofits (after market) for the up-and-coming DAB technology.

Thanks to many years of high-frequency experience in conjunction with comprehensive SMD expertise, the engineers at the Panasonic factory in Lüneburg (Lower Saxony/Germany) have developed a module with dimensions of only 29 x 15 x 4 mm. It lends itself particularly well for integration into current product designs and can be efficiently processed on printed circuit boards in manufacture. Input frequency ranges from 163 MHz to 240 MHz (Band III) and from 1452 MHz to 1492 (L-Band) are covered. The modules are distinguished by high sensitivities of -101 dBm in Band III and -100dBm in the L-Band, and outstanding selectivity. Activation is by UART, audio output via I2S and data transmission via SPI. The modules require a supply voltage of 3.3 V. Current consumption is 180 mA.

Many years of experience obtained from previous models is also called upon for the software of the new product family. The command interface provides direct tuner access as well as versatile parameterisable convenience functions such as search, automatic DAB-DAB linking, database handling with receivable stations and the storage of different configurations.

Serial production of the ATD8ZP will begin in the Stara Lubovna (Slovakia) factory in the summer of 2012. From 2013, the ATD8ZP family will be expanded by the addition of modules which also support seamless DAB-FM linking and data services, and have a double tuner.

* Status: August 2012

Summary

DAB/DAB+/DMB-Modul ATD8ZP

Smallest modul on the market:
29 x 15 x 4 mm

Input frequency:
163 MHz bis 240 MHz (Band III)
1452 MHz bis 1492 (L-Band)

High sensitivities:
–101 dBm in Band III
–100 dBm im L-Band

Activation by UART

Audio output via I2S

Data transmission via SPI

Voltage: 3,3 V

Current consumption: 180 mA

For more information, please contact:

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This press release can be downloaded from the Internet at
www.industrial.panasonic.com/eu

Bjoern Groencke, Product Manager Panasonic Industrial Devices Europe GmbH:"As DAB radio is considerably more widely established in other European countries than in Germany, we expect there will now also be a significant upturn here. Both public and private broadcasters have already achieved an area coverage of 60 to 70% in 2012. And the major German car manufacturers will be offering digital receivers for all vehicles from 2013. With our new ATD8ZP module, we are making it particularly easy for all manufacturers of car radios and other receivers to enable their customers to participate in the fantastic possibilities of this leading-edge technology."

Further information is available from

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Panasonic Industrial Devices Sales Europe GmbH (PIDSEU)
Panasonic modules are marketed in Europe by Panasonic Industrial Devices Sales Europe GmbH (PIDSEU), a subsidiary of Panasonic Europe Ltd, the European headquarters of the Panasonic Corporation. Under the leadership of Managing Director Tsuneo Komon, PIDSEU, with its head office in Hamburg, is responsible for the European sales and marketing of Panasonic's industrial business. This includes the Automotive, AV/Communication, Appliance, Industry & Devices and Factory Solutions Divisions. The company thus provides its customers with a one-stop shop for its extremely wide product range. It is therefore able to satisfy its customers' desire to source their requirements from one supplier, hence optimising their procurement processes.

The company is responsible for Germany, the Benelux countries, Switzerland, Austria, Scandinavia and Eastern Europe and has sales subsidiaries in Munich, Düsseldorf, Bracknell (UK), Helsinki (Finland) and Barcelona (Spain), as well as offices in France, Italy, Denmark and Russia. 300 staff are currently employed.

About Panasonic:
Panasonic Corporation is a worldwide leader in the development and manufacture of electronic products in three business fields, consumer, components & devices, and solutions. Based in Osaka, Japan, the company recorded consolidated net sales of about 72 billion

Euros for the year ended March 31, 2012. Panasonic’s stock is listed on the Tokyo, Osaka, Nagoya and New York (NYSE:PC) Stock Exchanges. The company has the vision of becoming the No. 1 Green Innovation Company in the Electronics Industry by the 100th year of its founding in 2018. For more information on Panasonic, its brand and commitment to sustainability, visit the company's website at: http://industrial.panasonic.com/eu/; http://panasonic.net/.