

At the heart of the system is Toshiba's TC35678FSG Bluetooth LE controller embedded within a PAN1760A module from Panasonic that achieves class-leading low current consumption and incorporates 256kB of built-in Flash ROM to store user programs and data for stand-alone operations.

The system is powered by the USB port and is easily and quickly configured via a series of simple jumpers. These jumpers also allow users to apply external control of the system reset or to apply external power via a battery source to give designers complete flexibility. All of the GPIO lines from the TC35678 are available on headers/jumpers allowing designers to design and debug sophisticated interface structures.

The board can be configured to be used in either host or standalone mode (no external host used in standalone mode) by setting GPIO lines during a reset operation. Also, each of the three power modes (Sleep, Backup and Deep Sleep) are available and GPIO lines can be used for waking the system.

The device is intended for use as a development platform and is also usable for quickly setting up prototypes. It provides a quick and simple means for rapid and affordable application development.

Notes:

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About Toshiba Electronics Europe

[Toshiba Electronics Europe GmbH](#) (TEE) is the European electronic components business of [Toshiba Electronic Devices and Storage Corporation](#). TEE offers European consumers and businesses a wide variety of innovative hard disk drive (HDD) products plus semiconductor solutions for automotive, industrial, IoT, motion control, telecoms, networking, consumer and white goods applications. The company's broad portfolio encompasses integrated wireless ICs, power semiconductors, microcontrollers, optical semiconductors, ASICs, ASSPs and discrete devices ranging from diodes to logic ICs.

Formed in 1973 in Neuss, Germany, TEE has headquarters in Düsseldorf, Germany, with branch offices in Germany, France, Italy, Spain, Sweden and the United Kingdom providing design, manufacturing, marketing and sales. Company president is Mr. Akira Morinaga.

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