

Electronics technology solutions of the future

3CITY ELECTRONICS COMPETENCIES

Industrial computers design

- + Standard factor – COMe/Qseven/SMARC/ETX
- + Custom solutions – SBC/CarrierBoards/MotherBoards
- + Architectures – ARM (Cortex-M, Cortex-A), x86 Intel
- + Intel Technology Provider

Advanced PCB design

- + Cadence Allegro/Orcad/Altium Designer
- + HDI PCB with impedance control

FW development on Intel/ARM platforms

- + CoreBoot, Intel FSP, UEFI

Linux drivers Linux & application engineering & development

- + BSP, Firmware, Software
- + Linux Development based on Yocto

IoT, Smart Factory, Cloud

- + Wireless technologies (LoRaWAN, WiFi, ZigBee, BT, NFC)
- + Battery powered devices

Quality

- + Design For Testing, Design For Manufacturing
- + MISRA, GIT, SVN
- + High project management standards
- + Functional safety – HW/FW parallel processing
- + Industry/Railway/Military/Mobile quality level
- + CE precertification tests (EMC, ROHS, IP)

OFFER

Electronics design

- + devices and systems tailor-made according to customers' needs
- + Hardware, Firmware, Mechanics

Electronics production






- + Complementary assembly
- + Production organization and supervision
- + Programming and testing

Design and production of production testing devices

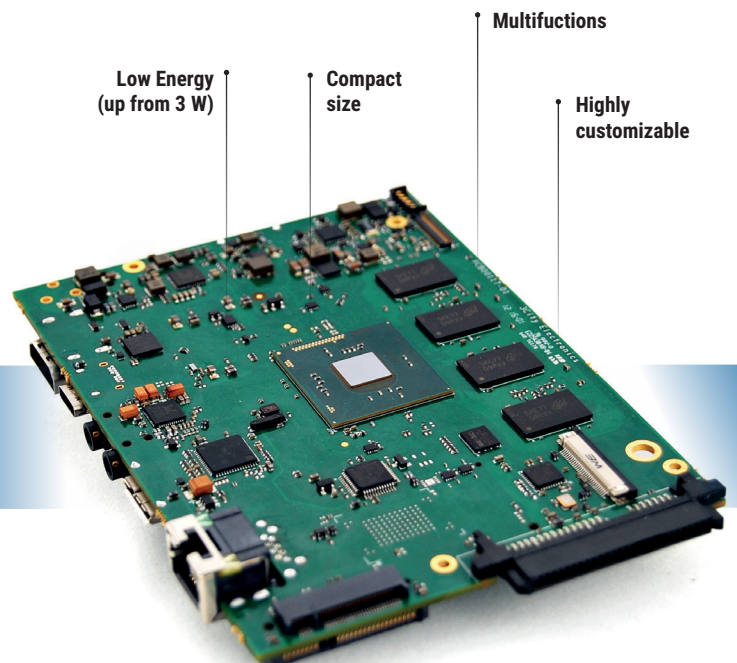
- + Testing systems and fixtures

Fermio BR SBC Platform

- + Intel Braswell (x86)
- + 4 x 2.8GHz
- + 128Gb SSD, 8Gb DDR
- + USB-C/HDMI/LAN/M2/SATA

	SECURE
	LOW ENERGY
	SMALL SIZE
	MULTI DISPLAY
	BATTERY SUPPORT

FERMIO BR:



3CITY ELECTRONICS:



Tailored and optimized for customers' needs



Quick and low cost implementation



WB GROUP's guarantee of the high quality of product

PRODUCTS – EXAMPLES OF IMPLEMENTATION FOR CUSTOMERS



Medical tablet with eye tracking functionality

help in therapy treatment and everyday life for disabled people



Phone with the lowest SAR ratio (<0,4 W/kg)

dedicated specially designed directional antenna

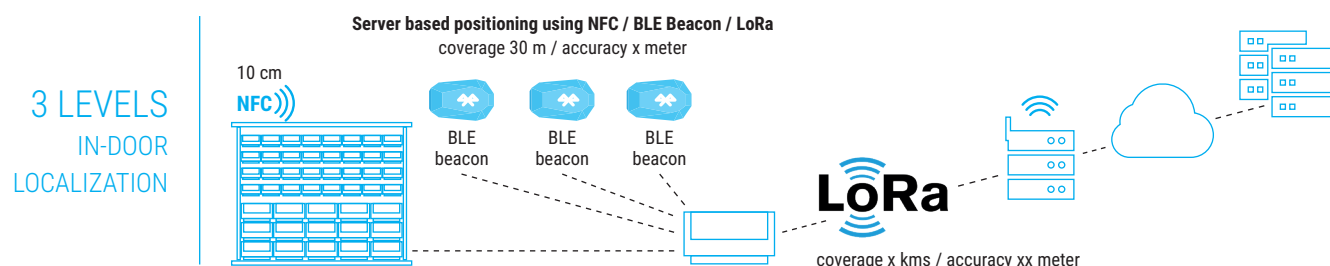


Device for sickle cell disease treatment

though electrical epidermal stimulation



Home automation Gateway



Indoor localization – combination of LoRaWAN, BLE and NFC technologies for objects localization at warehouse surface

SERVICES PROVIDED IN WB GROUP

Electronics manufacturing

- + Devices and blocks assembling
- + Programming and testing
- + Wires and bundles, coils and transformers

Mechanics manufacturing

- + Machining and plastic working
- + Metal welding
- + Assembling
- + Molds for composites

Test and research laboratory

- + Electric parameters measurements
- + EMC tests
- + Mechanical and climatic exposures
- + Safety of enclosures

Other Service

- + Surface coverage
- + Laser engraving
- + Exposures in chambers

WB GROUP is the Polish largest private technological concern, operating globally. It is offering state of the art solutions for the uniformed services and civil protection agencies in the areas of homeland security, energy, infrastructure, transport, railways and electromobility, as well as the environment protection. The group focuses on innovation and development of cutting-edge technological solutions.

www.wbgroup.pl

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