

## Working principle

The MID716 based on a powerful ARM cortex A8 core With 3D accelerator, PMIC(RK2906), 4\*256MB DDR2, Movinand. Applications processor allows user-interactive software and display your product-specific graphical data on a high-quality, touch screen-enabled 7"LCD available as an add-on out product. PAD 1051 include many features,such as camera, G-sensor , Audio. External TFCard etc.

The PMIC (Power management) is designed for use with the I.MX51 applications processor requiring a highly integrated, bi-directional power management IC and communications device.

Features include:

\*Battery charging

\*12 adjustable output low dropouts (LDO) with internal and external passd evices

\*Two boost converters

\*Real-time clock and crystal oscillator circuitry

\*SPI/I2C bus interface