

working principle

based on a powerful ARM Cortex™-A8 core i.MX51 of Freescale, include i.MX51 applications processor , PMIC(Freescale MC13892), 4 x 128 MB DDR2, Movin and.

applications processor allows user-interactive software and display your product-specific graphical data on a high-quality, touch screen-enabled 9.7" LCD available as an add-on out product.

PAD1051 include many features, such as

Camera , G-sensor, Audio, External SD Card 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 pass devices
- Two boost converters
- Real-time clock and crystal oscillator circuitry
- SPI/I2C bus interface