麗台SiRF V Module LR9151

产品名称	麗台SiRF V Module LR9151
公司名称	連科電子股份有限公司
价格	面议
规格参数	品牌:Leadtek 型号:LR9151
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产品详情

features: - sirf starv ultra low power chipset - gps, glonass, galileo and sbas reception for high gnss availability and accuracy - compact module size for easy integration : 15 x 14 x 2.8 mm - fully utilized ss5 upgrade features introduction the lr9151 gps module is a high sensitivity, low power, surface mount device (smd) that fully utilized sirfstarv upgraded features. this 48-channel global positioning system (gps) and global navigation satellite system (glonass) receiver is designed for a wide range of oem applications and is based on the gps signal search capabilities of the sirfstarv csrg05e rom chipset, serf ’ s newest chipset technology. the lr9151 provides flexible bus interfaces (uart). the lr9151 is designed to allow quick and easy integration into gps-related applications such as: - mobile gaming - cellular handsets - cameras - asset tracking - other location-aware consumer devices premium on-chip software provides a new level of continuous location awareness by employing. - opportunistic ephemeris decode and advanced power management, which enable the gps receiver to stay in a hot-start condition nearly continuously while consuming very little power - full support for client-based and server-based sirfinstantfixtm - dynamic contextual awareness, temperature monitoring, and mems sensors that work in concert to conserve power and boost performance - use of software control modules to achieve power saving state performance - highest performance solution : - gps, glonass, galileo and sbas reception for high gnss availability and accuracy - high sensitivity navigation engine (pvt) tracks as low as gps:-164dbm、glonass:-161dbm - 48 track verification channels - sbas (waas or egnos,msas) - active jammer remover: - removes in-band jammers up to 80 db-hz - tracks up to 8 cw jammers - multimode a-gps (autonomous, ms-based, and ms-assisted) – need operator support - embedded cgee / sgee (with back-end server support) speed up ttff a lot and makes cold start time to be around 20+ seconds. - sirfgeorecovtm reverse ee makes positioning process being done under power saving mode. - reacquisition time: 0.1 second - rf metal shield for best performance in noisy environments hardware and software - based on the high performance features of the sirf star v low power single chipset. - adaptive micropower controller: - only 50 to 500 μ a maintains hot start capability - <10mw required for tricklepower™ moderohs compliant (lead-free) - smt pads allow for fully automatic assembly processes equipment and reflow soldering - advanced navigation features: - smart sensor i ² c interface - interrupt input for context change detection advantages - built-in lna. - built-in internal rom and based on firmware 4.1.x - it can remove in-band jammer up to 80db-hz and track up to 8cw jammers, so the module can prevent gps signal interference when design-in the electrical device with noisy electrical signal interferences such as laptop, mobile phone, dsc, etc. - maintain tracking sensitivity as low as gps:-164dbm、glonass:-161dbm, even without network assistance. (sirf stariii has only -159dbm sensitivity) - support sirfaware technology : - support adaptive “ micro power

controller ” power management mode. - <10mw trickle power, so user can leave power on all day instead of power off - suitable for battery drive devices that need lower power consumption application - ideal for high volume mass production(taping reel package) - cost saving through elimination of rf and board to board digital connectors - flexible and cost effective hardware design for different application needs - embed cgee (client generated extended ephemeris) that can capture ephemeris data from satellites locally and predicts ephemeris out to 3 days. so if the module was off within 3 days, it could complete positioning process with limited time just like hot start.