

The **new** 32-bit Quadrature Counter with  
Serial Peripheral Interface (SPI)

**Functionability.**  
**Programmability.**  
**Adaptability.**

The LS7366R is a quadrature counter  
without 'Parallel'.

It counts quadrature clocks directly from Incremental Encoders and its four wire Serial Interface greatly reduces the peripheral wire count and allows for remote host connectivity.

Its one to four byte scalable configurations provide for easy adaptability to new tasks while speeding up the I/O access for lesser byte configurations.

At up to 10MHz quadrature clock rate and 4x resolution enhancement, the LS7366R provides for a dedicated solution to position and displacement tracking.

The LS7366R can also operate with non-quadrature clock signals and provides various counting modes for signal conditioning.

The LS7366R operates over the voltage range of 3V to 5.5V and is offered in Standard and fully RoHS Compliant 14-Pin DIP, SOIC and TSSOP packages.

*Providing ICs with ability since 1969...*



An ISO 9001:2000 Certified Company

*The world's leader in Incremental Encoder Interface ICs*

**LSI Computer Systems, Inc.**

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