Optical Encoders

## SERIES 65 <br> Optical Encoder Interface

## FEATURES

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- Interfaces with all Grayhill and Most Standard Quadrature Optical Encoders
}
- Power Reduction of Up to 75-90\% in Optical Encoder Use Through Power Management Feature
- User Selectable Output Modes: Magnitude/Direction, Up/Down, Standard Quadrature
- Simplified Microprocessor Interface Reduces Design Time
- Debounces Encoder Integral Pushbutton Switch
- Ideal for Battery Powered Applications that Include Optical Encoders
(especially advantageous in battery powered systems). Sample rate is a nominal 4 K per second allowing high speed quadrature input. The optical encoder interface can operate in 1 of 3 user-selectable output modes. These



## DESCRIPTION

The GH65C11-X is designed to receive input from standard quadrature optical encoders. The power management feature allows power to the encoder to be applied only during sampling intervals, thus conserving power


## ORDERING INFORMATION



Available from your local Grayhill Distributor. For prices and discounts, contact a local Sales Office, an authorized local Distributor or Grayhill.
For additional information about the use of the GH65 interface chips with optical encoders request Grayhill Application Note \#719.

## X-ON Electronics

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