The IC485 / IC485SI converts RS-232 to RS-422/RS-485. Data transfer can be accomplished at distances of up to 1200m and can utilize either 4-wire or 2-wire cable for full or half-duplex respectively. The converter copes with any RS-485/422 device to function as a short haul modem or an interface converter. Request to send (RTS) selection enables up to 31 receivers to be set up in a multi-drop connection, Point-to-point and monitor connection are also possible.

The IC485SI 2000V Isolated Converter has built in optocouplers for signal isolation and transformers for power isolation. The converter is designed to enhance the quality of the data and protect the equipment from an electrical surge of up to 2000V.

**SPECIFICATIONS**

- Connectors: RS-232 DB25 female, RJ-11 Jack (IC485 only), 4 Screw Terminal Block Grounding Tab (IC485SI only)
- Cable length: 1200m (max)
- Switches: SW1 - DCE, DTE
  - SW2 - TxON,RxON / T-RTS,R-RTS / T-RTS,RxON
- Isolation Protection: Up to 2000V (IC485SI only)
- Data transfer speed: Up to 100Kbps
- Power consumption: DC 9V 200mA
- Enclosure: Plastic
- Weight: 60g
- Dimensions: 74.5(L) x 54(W) x 18.5(H) mm