

## IC485S

RS-232/RS-485 Interface Converter



IC485S is a 2-way converter for converting RS-232 signals to and from RS-422/RS-485 signals in long-distance applications up to 1200 m (4000 ft.). It supports the connection of up to 32 hubs and features monitoring to confirm the data passing between devices.

### Features

- Data transmission controlled by the RTS signal.
- DCE/DTE selectable.
- Point to point, multidrop, and simplex/duplex link selection.
- Four wire full duplex; two wire half duplex.
- Compact size.
- Cable distance of up to 1200m (4000 ft.).
- Monitor configuration support.
- Supports baud rates up to 115.2Kbps.
- OS Support: Windows 2000, Windows XP

## Specifications

|                        |                                                                                                                                                                                                                                                                                                           |
|------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Connectors             | 1 DB-25 Female (RS-232)<br>RS-485 / RS-422 Four Terminal Block<br>1x RJ-11 Female                                                                                                                                                                                                                         |
| Switches               | DCE, DTE, Monitor<br>TxON, RxON<br>TxRTS, RxRTS<br>TxRTS, RxON                                                                                                                                                                                                                                            |
| Power Consumption      | DC9V:0.82W:2BTU/h<br><br>Note:<br><ul style="list-style-type: none"> <li>● The measurement in Watts indicates the typical power consumption of the device with no external loading.</li> <li>● The measurement in BTU/h indicates the power consumption of the device when it is fully loaded.</li> </ul> |
| Signal Range           | 1200 m [4000'] (Max)                                                                                                                                                                                                                                                                                      |
| Data Rate              | Up to 100 Kbps under 1200 m [4000']                                                                                                                                                                                                                                                                       |
| Environmental          |                                                                                                                                                                                                                                                                                                           |
| Operating Temperature  | 0 ~50°C                                                                                                                                                                                                                                                                                                   |
| Storage Temperature    | -20 ~ 60°C                                                                                                                                                                                                                                                                                                |
| Humidity               | 0~80% RH, Non-condensing                                                                                                                                                                                                                                                                                  |
| Physical Properties    |                                                                                                                                                                                                                                                                                                           |
| Housing                | Plastic                                                                                                                                                                                                                                                                                                   |
| Weight                 | 0.05 kg ( 0.11 lb )                                                                                                                                                                                                                                                                                       |
| Dimensions (L x W x H) | 7.90 x 5.45 x 2.10 cm<br>(3.11 x 2.15 x 0.83 in.)                                                                                                                                                                                                                                                         |
| Note                   | For some of rack mount products, please note that the standard physical dimensions of WxDxH are expressed using a LxWxH format.                                                                                                                                                                           |

**Diagram****ATEN International Co., Ltd.**

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