



SNAP CAP™ RS-485



Part number: **SC485**

SNAP CAP™ RS-485 converts Lantronix M110 or E210 series' RS-232 port on a 9-pin sub-D connector (female) into an isolated half-duplex or full-duplex RS-485 port on a 5-pin, 3.5 mm pitch, COMBICON connector.

SPECIFICATIONS

COMMUNICATION

- Standards: EIA/TIA RS-232 and RS-485
- Connector types:
 - RS-232 side—9-pin sub-D (male)
 - RS-485 side—5-pin 3.5 mm pitch, COMBICON
- Communication mode: Half-duplex (factory setting) or full-duplex (user-selectable via a slide switch) RS-485

ELECTRICAL

- Static protection:
 - 6 kV (contact) or 8 kV (air) ESD-protected
 - 1 kV isolated

MECHANICAL

- Housing dimension: 31.5 mm x 17.0 mm x 38.2 mm (width by height by depth - when mounted)

ENVIRONMENTAL

- Operating temperature range: -40° C to +85° C
- Storage temperature range: -40° C to +85° C (Refer to the M110 and E210 series hardware manuals for device specific temperature ratings.)

Note: SNAP CAP™ RS-485 is intended primarily for use with the M110 and E210 series, and may not work on other devices with a 9-pin sub-D connector.

PIN ASSIGNMENTS

RS-232 Pinout



Pin	Definition
1	NC
2	RXD
3	TXD
4	DTR (duplex state)
5	GND
6	NC
7	NC
8	NC
9	V DC IN 3.7V~5.0V regulated

RS-485 Pinout



Half/Full duplex switch

- Half-duplex (factory setting)
- Full-duplex

Pin	Definition
B	B-
A	A+
G	GND
Y	Y+
Z	Z-

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