# 8-Channel RS-232 to RS-422 Converter — DB25 Connectors

## Model 422CEC

### PRODUCT FEATURES

- Converts unbalanced RS-232 signals to balanced RS-422 signals
- Converts 8 channels of RS-232 to RS-422
- Data rates up to 115.2K baud
- Extend your RS-232 line up to 1200 meters (4000 ft)
- RS-422 driver has the ability to drive 10 RS-422 receivers connected in parallel
- Ten receivers can be connected to any one driver for use in multidrop systems

Model 422CEC, 8-channel RS-232 to RS-422 converter, converts unbalanced RS-232 signals to balanced RS-422 signals. The RS-422 Standard uses a balanced voltage digital interface to allow communications of 90K bits per second on cable lengths of 1200 meters (4000 feet). If this baud rate is exceeded the line length will decrease accordingly. Ten receivers can be connected to any one driver for use in multidrop systems.

### ORDERING INFORMATION

| MODEL NUMBER | DESCRIPTION | RS-232 | RS-422 |
|---|---|---|---|
| **422CEC** | RS-232 to RS-422 Converter | DB-25 Female | DB-25 Male |

### ACCESSORIES - sold separately

**SMi6-12-V-P230-C1** - Power Supply, 12 VDC 6 Watt, 2.5MM Plug, International AC Input, International AC Blades

### SPECIFICATIONS

| TECHNOLOGY | |
|---|---|
| Data Rate | Up to 115.2K baud |
| Connectors | RS-232: DB-25 female (DCE device) RS-422: DB-25 male (EIA-530 pin outs) |
| Signals | Converts 8 channels of RS-232 to RS-422 (TD, RD, RTS, CTS, DTR, DSR, DCD, Spare) |
| Power Requirement | 10 to 30 VDC @ 200 mA |
| **REGULATORY APPROVALS** | |
| FCC, CE | |
| 2014/30/EU | Electromagnetic Compatibility Directive |
| 2011/65/EU | Reduction of Hazardous Substances Directive (RoHS) |
| **EMC** | |
| EN 55032:2015 Class B | Electromagntic Compatibility of Multimedia Equipment – emission requirements |
| EN 55024:2010 | Information Technology Equipment Immunity |
| **MEANTIME BEFORE FAILURE** | |
| MTBF | 1251414 hours |
| MTBF Calc. Method | MIL 217F Parts Count Reliability Method |

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