

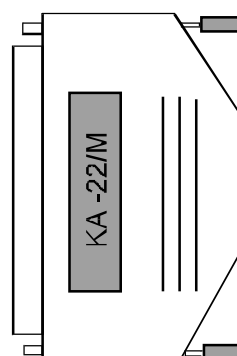
KA-22 V.24/RS-232C interface converter

The KA-22 interface converter allows communication between V.24/RS-232C computers, terminals, printers etc. on distance up to several kilometers over 4-wire telecommunication line. This unit provides full duplex asynchronous transmission at speed up to 57600 bps. It provides optically isolation between connected terminals, however transmission line is electrically connected to GND (ground) and TxD (Transmitted Data) lines of interface V.24/RS 232C. The KA-22 is powered from V.24/RS-232C RTS and/or DTR control signals (pin 4 and 20 on interface connector). No other external power supply is needed. This unit is enclosed in plastic connector cover and plugged directly into V.24/RS-232C DB 25 connector. Complete communication link consist of two KA-22 converters. The KA-22 is designed to provide an economical alternative to standard asynchronous modems.

Technical specification:

- Transmission type: Asynchronous, Full Duplex
- Transmission speed: 0 to 57600 bps
- Power: This unit is powered from RTS and/or DTR line.
- Isolation: 500V DC
- Interface connector: DB 25 male/female
- Line connector: 4 solder pin
- Case: plastic
- Dimensions: 57 x 44 x 16 mm
- Distance range: Transmission performance and distance range may vary depending on quality of transmission line. For 24 AWG (0.5 mm dia copper wire) two unloaded twisted pairs, approximately transmission distance is given below

<i>Data rate (bps)</i>	<i>Transmission distance (km)</i>
57600	0.1
38400	0.3
19200	0.8
9600	1.5
4800	3
2400	5
1200	8



Ordering

The KA-22 is manufactured in four versions: with male or female DB 25 interface connector and in DCE or DTE configuration. In DCE version TxD signal is connected to pin 2 and RxD signal is connected to pin 3 of interface connector. DTE version has inverted connections for pin 2 and 3.

<i>Version</i>	<i>DCE male</i>	<i>DCE female</i>	<i>DTE male</i>	<i>DTE female</i>
<i>Order no.</i>	KA-22/M	KA-22/F	KA-22/MS	KA-22/FS

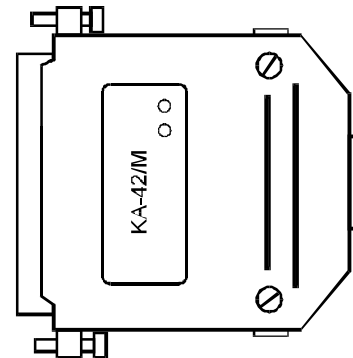
KA-42 V.24/RS-232C interface converter

The KA-42 interface converter allows communication between V.24/RS-232C computers, terminals, printers etc. on distance up to several kilometers over 4-wire telecommunication line. This unit provides full duplex asynchronous transmission at speed up to 57600 bps. It provides optically isolation between connected terminals, however transmission line is electrically connected to GND (ground) and TxD (Transmitted Data) lines of interface V.24/RS 232C. The KA-42 is powered from V.24/RS-232C RTS and/or DTR control signals (pin 4 and 20 on interface connector). No other external power supply is needed. This unit is enclosed in plastic connector cover and plugged directly into V.24/RS-232C DB 25 connector. Complete communication link consist of two KA-42 converters. The KA-42 is designed to provide an economical alternative to standard asynchronous modems.

Technical specification:

- Transmission type: Asynchronous, Full Duplex
- Transmission speed: 0 to 57600 bps
- Power: This unit is powered from RTS and/or DTR line.
- Isolation: 500V DC
- Interface connector: DB 25 male/female
- Line connector: 8 pin RJ-45 connector
- Case: plastic
- Dimensions: 59 x 54 x 20 mm
- Distance range: Transmission performance and distance range may vary depending on quality of transmission line. For 24 AWG (0.5 mm dia copper wire) two unloaded twisted pairs, approximately transmission distance is given below

<i>Data rate (bps)</i>	<i>Transmission distance (km)</i>
57600	0.1
38400	0.3
19200	0.8
9600	1.5
4800	3
2400	5
1200	8



Ordering

The KA-42 is manufactured in four versions: with male or female DB 25 interface connector and in DCE or DTE configuration. In DCE version TxD signal is connected to pin 2 and RxD signal is connected to pin 3 of interface connector. DTE version has inverted connections for pin 2 and 3.

<i>Version</i>	<i>DCE male</i>	<i>DCE female</i>	<i>DTE male</i>	<i>DTE female</i>
<i>Order no.</i>	KA-42/M	KA-42/F	KA-42/MS	KA-42/FS