

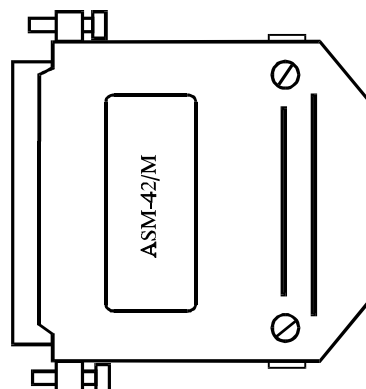
ASM-42/ASM-43 Asynchronous short haul modem

The ASM-42 short haul modem 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 19200 bps. It provides full optically isolated signal path for data and doesn't need any external power to operate. The ASM-42 is powered from V.24/RS-232C Transmit Data signal (pin 2 on interface connector). No additional control signals are needed on V.24/RS-232C connector for correct operation. This compact unit is plugged directly into V.24/RS-232C DB 25 connector. Complete communication link consists of two ASM-42 short haul modems. The ASM-42 is designed to provide an economical alternative to standard asynchronous modems. The ASM-43 is higher speed model of the ASM-42 one (up to 38400 bps) with shorter transmission distance ranges.

Technical specification:

- Transmission type: Asynchronous, Full Duplex
- Transmission speed: 0 to 38400 bps
- Power: Approx. 5 mA from V.24/RS-232C TxD 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

Data rate (bps)	Transmission distance (km)	
	ASM-42	ASM-43
38400	---	1
19200	2	2
9600	5	3
4800	8	6
2400	10	8
1200	12	10



Ordering

The ASM-42/ASM-43 is manufactured in four versions: with male or female DB 25 interface connector and in DCE or DTE configuration. DCE version has TxD line connected to pin 2 and RxD line connected to pin 3 of interface connector. DTE version has inverted connections for pin 2 and 3.

Version	DCE male	DCE female	DTE male	DTE female
Order no.	ASM-42/M ASM-43/M	ASM-42/F ASM-43/F	ASM-42/MS ASM-43/MS	ASM-42/FS ASM-43/FS