

# NB3710 Extension Port

The NB3710 has an M12 extension connector with 8 pins. The 8 pins are split into two logical ports: pins 1 to 4 represent Extension Port 1 (EP1) and pins 5 to 8 represent Extension Port 2 (EP2). In common, EP1 hosts the serial console of the router which corresponds to a 3-wire RS-232.

Some NB3700 variants use the Digital I/O connector as extension connector. The same pin assignment applies for these variants.

## NB3710 Extension Connector PIN Assignment

Pin	Port	Base	Audio (A)	CAN (C)	IBIS (I)	RS-485 (Sa)	RS-232 (S)
1	EP1	RS-232 GND	RS-232 GND	RS-232 GND	RS-232 GND	RS-232 GND	RS-232 GND
2	EP1	RS-232 TxD	RS-232 TxD	RS-232 TxD	RS-232 TxD	RS-232 TxD	RS-232 TxD
3	EP1	RS-232 RxD	RS-232 RxD	RS-232 RxD	RS-232 RxD	RS-232 RxD	RS-232 TxD
4	EP1	-	-	-	-	-	-
5	EP2	-	Input Left Ch. +	GND	WBSD (Signal Call/Aufrufbus)	RS485 GND	2nd RS-232 GND
6	EP2	-	Input Left Ch. -	L	WBMS (GND Call/Aufrufbus)	RS485 TxD-/RxD- (A)	2nd RS-232 TxD
7	EP2	-	Output Left Ch. +	H	WBED (Signal Reply/Antwortbus)	RS485 TxD+/RxD+ (B)	2nd RS-232 RxD
8	EP2	-	Output Left Ch. -	-	WBME (GND Reply/Antwortbus)	-	-

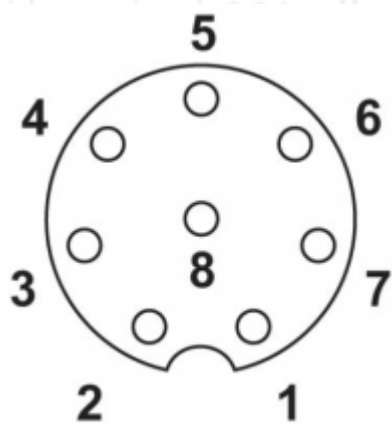
## M12 Extension Connector

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