

AL2094S

Very small analog socket modem with the common DIL-40 form factor. Full CE approval. Compact and robust design for industrial applications.

Benefits:

- Enables any device to send and receive data via Analog (PSTN) line.
- Integrated smart DAA technology for worldwide operation.
- Host system powered DAA gives advantages over competitors line powered DAA's
- Smallest form factor with DIL-40 footprint.

Applications:

- Set top boxes.
- Point-of-sales terminals.
- ATM machines.
- Security / Alarm systems.
- Metering devices.

Functions:

- Standard AT-Command Set, V.250, V.251 commands.
- Asynchronous Modes with 10 and 11 bits data.
- AT command speed sensing from 300 to 115200 bps.
- Synchronous Mode supported. (RXCLK and TXCLK clock signals).
- ITU-T V.92, V.34, V.32bis, V.22bis, V.22, V21 and V.23 modulations.

- V.22bis, V.22 fast connect and V.29 FastPOS supported.
- V.44, V.42bis and MNP5 data compression. V.42 and MNP error correction protocols.
- Full-duplex voice pass-through mode.
- Line reversal detection.
- Line-in-use detection
- Extension Pickup detection and PPD.
- Sleep Mode (10mA).

Specifications:

- Compact Size: 53 x 20 mm
- DIL-40 Form Factor.
- Typical Power use: 130 mA
- Single 3.3 VDC Supply.
- Serial ITU-T V.24 TTL Interface.
- Approved for CE. Meets specifications TBR21, EN 55024, EN 55022 and EN 60950.
- Surge Prot. according ITU-T K.21
- 2 Year warranty.

Ordering:



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Pin Diagram				Pin No	Name	Pin No	Name
1	GND	RXD	40	1	GND	40	RXD
2	GND	RXD	39	2	GND	39	TXD
3	VCC1	DTR	38	3	VCC1	38	DTR
4	VCC2	DCD	37	4	VCC2	37	DCD
5	RESET	DCD	36	5	EXT. RESET	36	DSR / DCD
6	NC	CTS	35	6	NC	35	CTS
7	SPK	RTS	34	7	DSPKOUT	34	RTS
8	TDCLK	RI	33	8	TDCLK	33	RI
9	RDCLK	NC	32	9	RDCLK	32	NC
				10 ... 18	No pin	31 ... 23	No pin
				19	NC	22	NC
				20	RING	21	TIP
19	NC	NC	22				
20	RING	TIP	21				

Operating Conditions	Symbol	Limits	Units
Supply Voltage	VDD	+ 3.15 to + 3.45	VDC
Operating Ambient Temperature	TA	0 to + 70	°C
Operating temperature			
Extended temperature (ET Version)			

Power Requirements	Typical Current (mA)	Max. Current (mA)
Off-hook, normal data connection	66	73
On-hook, idle, waiting for ring	61	67
Sleep Mode	17	19

Product Documentation	Doc Nr.
Designers Guide	AL2094S-E00-102
AT Command Manual	AL2094S-A00-106
Additional Documentation	www.xmodus.ch

Contact Information	
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