

# INDUSTRIAL GRADE MODEMS

## Hidex V.92, 56Kbps

### Model HX56T



### Description

The Hidex V.92 Industrial Grade Modem is the most versatile model for Dial up or leased analog telephone line interconnect. The Hidex HX56T offers speeds up to 56K dial up. They are temperature tested, rugged modems designed for Industrial applications. Directly connected to RTU's, traffic controllers, variable message signs or any number of other applications, they communicate at 300 bps to 56kbps over analog telephone lines. All HX models have High voltage surge protection on the telephone lines. The power converter delivers 5VDC from 100 to 240 VAC, 50-60 Hz with World Wide safety approvals and a locking connector to prevent vibration disconnects. A wide voltage range of DC adapters, 9 to 72 Volts are optional.

### Features

- Polarized locking power connectors
- Dial up phone lines up to 56 Kbps
- 2 wire leased line
- HX Telco line surge protected
- Industrial Grade Temperature rated
- DB25 pin data connector
- Global Compliance
- Telecom approved in over 50 countries
- V.44 & V.42bis data compression
- V.42 Error correction
- Intelligent DAA detects line status
- Low power/sleep mode
- Fast POS V.29 & V.22bis Fast Connect
- Extended AT Commands
- All HX models have a power converter or operates from 5 VDC input
- DC Powered with optional DC-DC supplies
- DC 9-18, 18-36 or 36-72



Hidex with power adapter and locking connector

## Hidex Model HX56T, 56Kbps Technical Specifications

<b>Category</b>	<b>Description</b>
<i>Client-to-Server Data Rates</i>	Supports V.92 and V.90 data rates
<i>AGC Dynamic Range</i>	43 dB
<i>Data Rates</i>	56,000; 33,600; 31,200; 28,800; 26,400; 24,000; 21,600; 19,200; 16,800; 14,400; 12,000; 9600; 7200; 4800; 2400; 1200; 0-300 bps
<i>Command Buffer</i>	60 characters
<i>DAA Isolation</i>	1500 Vac
<i>Data Compatibility</i>	V.92, V.34 enhanced, V.34, V.32bis, V.32, V.22bis, V.22; Bell 212A and 103/113, V.21 & V.23
<i>Data Compression</i>	ITU-T V.44 (6:1 throughput); V.42bis (4:1 throughput); MNP 5 (2:1 throughput)
<i>Fax Compression</i>	MH, MR, MMR
<i>Data Format</i>	Serial, binary, asynchronous (available with parallel interface)
<i>Diagnostics</i>	Local analog loop, local digital loop, remote digital loop
<i>Dimensions</i>	2 1/4 x 3 1/4 x 3/4 inches
<i>Error Correction</i>	Data Mode: V.42 (LAP-M or MNP 3–4)
<i>Fax Compatibility</i>	ITU-T “Super” Group 3; Class 1.0 (2.0, 2.1 – V.92 build only) Group 3, Class 1 and 2, T.4, T.30 Annex A & C, V.21, V.27ter, V.29, V.34, V.17, and TIA/EIA TR29.2 V.34 Super G3 fax at speeds up to 33.6Kbps V.17 G3 fax at speeds up to 14.4Kbps T.30 Annex A & C
<i>Fax mode error correction</i>	T.30 Annex A & C
<i>Fax Data Rates</i>	33,600; 31,200; 28,800; 26,400; 24,000; 21,600; 19,200; 16,800; 14,400; 12,000; 9600; 7200; 4800; 2400; 1200; 0-300 bps
<i>Flow Control</i>	XON/XOFF (software), RTS/CTS (hardware)
<i>Operational Temperature</i>	–40 to +85° C ambient under closed conditions; humidity range 20–90% (non-condensing)
<i>Power Consumption</i>	Typical: 180 mA (0.59 W @ 3.3 V DC) Standby or Sleep Mode: 88 mA Maximum: 290 mA (1.04 W @ 3.6 V DC)
<i>Receiver Sensitivity</i>	–43 dBm under worst-case conditions
<i>Serial Speeds</i>	Serial port data rates adjustable to 300, 1200, 2400, 4800, 9600, 19,200, 38,400, 57,600, 115,200, and 230,400 bps
<i>Storage Temperature</i>	–50 to +100° C
<i>Model Number:</i>	HX56T
<i>Registration No:</i>	AU7USA-25814-M5-E
<i>Ringer Equivalence:</i>	0.3B
<i>Modular Jack (USOC):</i>	RJ11
<i>Approvals</i>	Safety Certifications UL60950, CUL60950, EN60950, IEC60950, ACA TS001 / AS 3260, CCC FCC Part 15, Canadian EMC, EN 55022, EN 55024, GB4943, GB9254
<i>EMC Approvals</i>	Fully AT command compatible, Leased-line operation, Sleep mode Autodial, redial, Pulse or tone dial, Dial pauses, Auto answer Adaptive line probing, Automatic symbol and carrier frequency during start-up, retrain, and rate renegotiations. DTMF detection, Distinctive ring, Call status display, auto-parity and data rate selections
<i>Intelligent Features</i>	Keyboard-controlled modem options, On-screen displays for modem option parameters, remote configuration, DTR dialing, phone number storage flash memory for firmware updates, NVRAM storage for user-defined parameters