

## INDUSTRIAL GRADE MODEMS

### Hidex II V.92, 56Kbps

Model: HXII56TM (Stand-Alone)

Model: HXII56RM (Rack-Mount)

#### KEY FEATURES

- Call back security
- Dial up phone lines up to 56Kbps
- 2 Wire leased line
- HX Telco line surge protection
- -40°C to +85°C Operating Temp
- DB 25pin 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.22bis Fast connect
- Extended AT Commands & NVRAM
- Native supply voltage is 5VDC (Stand-Alone)
- Optional DC power models 9-18, 18-36, 36-72 or 125-240 AC or DC (Stand-Alone)
- Switch Selectable power via RS232 connector (Stand-Alone)
- Metal case with mounting tabs (Stand-Alone)
- AC 125VAC Adapter to 5VDC (Stand-Alone)



#### DESCRIPTION

The **Raymar-Telenetics** Hidex II V.92 Industrial Grade Modem is the most versatile model for dial up or leased analog telephone line interconnect. The Hidex HXII56 offers up to 56K dial up. The stand-alone is temperature tested. They are both rugged modems designed for Industrial applications. Directly connected to RTU's, traffic controllers, variable message signs or any number or other applications, they communicate at 300bps to 56Kbps over analog telephone lines. All HX models have high voltage surge protection on the telephone lines. The AC power converter, on the stand-alone, delivers 5VDC from 100 to 120VAC, 50-60Hz with World Wide safety approvals. DC version available with optional locking connector to prevent vibration disconnects. A wide voltage range of internal DC power models are optional.

Specify your choice of 9 to 72VDC or external 125 to 240VDC adapter. (Stand-Alone)

**RAYMAR INFORMATION  
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## TECHNICAL SPECIFICATIONS

Category	Description
Client-to Server Data Rates	Supports V.92 and V.90 data rates
AGC Dynamic Range	43 dB
Data Rates	56,000, 33,600, 31,200, 28,800, 26,400, 24,000, 21,600, 19,200, 16,800, 14,400, 12,000, 9,600, 7,200, 4,800, 2,400, 1,200, 0-300 bps
Command Buffer	60 Characters
Character Format	10 bit or 11 bit
DAA Isolation	1500 VAC
Data Compatibility	V.92, V.34 enhanced, V.34, V.32bis, V.22bis, V.22, Bell 212A and 103/113, V.21 & V.23
Data Compression	ITU-T V.44 (6:1 throughput), V.42bis (4:1 throughput), MNP 5 (2:1 throughput)
Fax Compression	MH, MR, MMR
Data Format	Serial, binary, asynchronous
Diagnostics	Local analog loop, local digital loop, remote digital loop
Dimensions	5 x 3 x 1 inches plus mounting tabs (Stand-Alone) / 9 x 6.25 x 0.87 inches (Rack Mount)
Case material	Black zinc oxide plated steel (Stand-Alone)
Error Correction	Data Mode: V.42 (LAP-M or MNP 3-4)
Fax Compatibility	V.17, V.29/ V.27/ V.21, V.34
Fax mode error correction	T.30 Annex A & C
Fax Class	Class 1 & 10 - Class 2, 2.0/ 2.1 - All builds
Flow Control	XON/XOFF (software), RTS/CTS (hardware)
Operational Voltage	Native 5VDC (Stand-Alone)
Receiver Sensitivity	-43 dBm under worst case conditions
Serial Speeds	Serial port data rates adjustable to 300, 1,200, 2,400, 2,400, 4,800, 9,600, 19,200, 38,400, 57,600, 115,200, and 230,400 bps
Operating Temperature	-40° to +85°C
Registration No.	AU7USA-25814-M5-E
Ringer Equivalence	0.3B
Modular Jack (USOC)	RJ11
Approvals	Safety Certifications UL60950, CUL60950, EN60950, IEC60950, ACA TS001 / AS 3260, CCC
EMC Approvals	FCC Part 5, Canadian EMC, EN 55022, EN 55024, GB4943, GB9254
Intelligent Features	Fully AT command compatible, 2 Wire 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. 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 define

### Order Information

### Optional Terminal Block Order Number

IGM-HXII56RM	V.92, SERIAL 56K, -40 +85C	
IGM-HXII56TM	V.92, SERIAL 56K, -40 +85C, 5 VDC	IGM-HXII56TM/BL
IGM-HXII56TM-A	V.92, SERIAL 56K, -40 +85C, 9-18 VDC	IGM-HXII56TM-A/BL
IGM-HXII56TM-B	V.92, SERIAL 56K, -40 +85C, 18-36 VDC	IGM-HXII56TM-B/BL
IGM-HXII56TM-C	V.92, SERIAL 56K, -40 +85C, 36-72 VDC	IGM-HXII56TM-C/B

### Accessories

IGM-HVDC-PS	AC/DC 90-240V POWER SUPPLY
IGM-SPIKE	SPIKE DUAL MODE SURGE PROTECTOR
HIDEX/DIN KIT	DIN RAIL MOUNT CONVERSION KIT
MDR	MYRIAD 18 SLOT RACK

### WARRANTY

Raymar-Telenetics manufactured products are warranted against defects in hardware material and workmanship under normal use for one (1) year from date of original retail purchase. Defective product will be repaired or replaced, determination to be made by Raymar-Telenetics, at no charge. Repaired or replaced products are warranted for 90 days or for original warranty period, whichever is longer. Warranty extends to original end-user only.



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