



New!

Messenger Voice/Dialup Telephone Modem

Voice Alarming and Data Access via conventional telephone (POTS) dialup telephone lines

- Low-cost reliable SCADA communications where radio and cellular are not practical
- Voice message synthesis is supported when combined with ICL SCADA controllers
- RS-232 and USB Communications Interfaces
- Supports standard AT command set for universal operation with 3rd party equipment
- Allen-Bradley (DF1), Modicon (Modbus) and Harris (DNP3) protocol support
- Low-power and smart power management for battery backed applications
- LED data and modem status indicators
- 10Vdc to 30Vdc DC power, or powered from the USB connector
- Compact DIN Rail Mounting
- Wide operating Temperature Range: -40^oC to +70^oC
- 3-year factory warranty on parts and labor



Voice/Dialup Telephone Modem

Reliable Dialup Communications –

The Messenger Dialup Telephone Modem provides reliable data communications over standard (POTS – Plain Old Telephone Service) voice grade telephone lines.

Voice Alarm Notification – When used with ICL programmable SCADA controllers, Messenger Dialup Telephone Modems can be used to call up users and play synthesized voice messages for alarming and status change notifications. These modems also support touch-tone detection, allowing users to access process information such as levels, flows, and temperatures, and optionally change such as control and alarm setpoints in the controllers registers.

High Speed - Messenger Dialup Telephone Modems operate at “over the line” data rates of up to 56,000 bits per second. The modems automatically determine and adjust to the optimum speed that is supported by the modem on the other side of the link, and the telephone line conditions.

Supported by most Computers, PLCs, and RTUs - Messenger Dialup Telephone Modems use industry standard “AT” commands. Most any device that supports the use of a standard external telephone modem is compatible.

Industrial Rated - Messenger Dialup Telephone Modems are designed for use in a variety of industrial and harsh environments. They are DIN rail mounted, powered from 12Vdc or 24Vdc, have conformal coated circuitry and support a very wide operating temperature range.

USB, RS-232 and RS-485 Interfaces— Messenger Dialup Telephone Modems provide both USB and RS-232 interfaces, allowing them to be used with modern controllers and computers, as well as legacy equipment.

Rugged Reliability – Messenger 900XS radios are 100% tested over an extended temperature range of -40 C to 70 C, and backed by an industry leading 3-year factory parts and labor warranty.

Specifications

Performance

Data Throughput	Up to 56Kbps downstream
FaxThroughput	Up to 14.4Kbps
Compression	V.44 (V92 model) V.42bis and MNP 5
Error Correction	V.42 LAPM and MNP 2-4
Caller ID	Type I and II for select countries (contact factory)
Call Waiting Detection	Yes
DTMF Tones Support	Generation and Detection in Voice Mode
Transmit Levels	-10dBm minimum
Receive Levels	-43dBm maximum

Data Communications

Interfaces	RS-232 and USB 2.0 compatible
Serial Data Rate	Up to 115Kb, auto baud rate detection

Certifications (partial list)

FCC68, CS-03 and CTR21 certified
EN55022B, EN55024 compliant
c/UL 60950 Recognized Component, IEC60950-1 approved
IEC60601-1 (Medical) certified

Isolation

3000Vrms (from comm. ports and DC power to telephone line)

Power Terminal Blocks

3.5mm (0.138"), removable, 12 to 22AWG, 15A/contact maximum

Telephone Line Connector

RJ-11

RS-232 Connector

RJ-45

USB Connector

Type A Mini-USB

Mounting

35mm. DIN rail

Dimensions

1.4"W x 3.7"H x 3.8"D (includes terminal block and elevation off panel on DIN rail)

Environment

- 40°F(- 40°C) to 158°F (70 °C), 10%RH to 95% RH, non-condensing

Power

10 to 30Vdc, 0.4W maximum, <0.1W in Sleep Mode

Warranty

3 years, factory parts and labor

Order Part Number

94-2001 Messenger Dial-up 56K baud Modem with Voice (voice feature requires ICL SCADA controller)

Represented by:

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