Messenger USB Dial-up Telephone Modems provide a high-speed data and voice playback connection over a standard (POTS) dial-up telephone line for Pinnacle and Modulus (Advanced Communications Module) controllers. This allows for remote access and alarming from locations not served by broadband, DSL, and cellular data connections.

For data operation, the modems support a PPP dial-up Internet connection.

For alarming, the modems support playback of synthesized voice messages compiled via ICLs ScadaBuilder software. No manual recording is required. The modem supports decoding of touchtone tones for alarm acknowledgement and remote access control.

The modems can be field installed by simply plugging them into the controller front-panel USB connectors. Power is supplied from the USB port.

Two modem models are available:
- 79-4011 Has a type A USB connector for Pinnacle series controllers
- 80-7801 Has a Mini B USB connector for Modulus ACM controllers

TELEPHONE LINE INTERFACE
- Transmit Level: -10.5 +/- 1.5 dBm
- Receive Level: -43 +/- 2 dBm
- Tip/Ring Continuous Current: 10mA min., 120mA max.
- Dielectric Withstand Voltage: 1500 Vrms
- Ringer Equivalence Number: 0.0B
- Data Compression: V.44, V.42bis, and MNP-5

GENERAL
- Power: from USB connection (5V, On-hook: 82mA, 411 mW Off-hook: 94mA, 470mW)
- Data Connector: [79-4011] for Pinnacle controllers (USB Type A)  [80-7801] for Modulus ACM controllers (USB Mini B)
- Telephone Line Connector: RJ-11 (approved telephone line interconnect cable included)
- Dimensions: (L x W x H) 2.5” x 1.4” x 1.0” (6.35 cm x 3.56 cm x 2.54 cm)
- Weight: (w/o cable) 1.12ozs (32g)
- Enclosure Type: Plastic
- Operating Temperature: 32°F to +158°F (0°C to +70°C)
- Humidity: 10% to 95% non-condensing

APPROVALS
- FCC Part 68 Registration Number US: 3A4M500BHM-T-W, TBR21 (ETSI TS103 021-1, -2, -3)
- Industry Canada: CS-03 (IC: 2377A-HMTW)
- FCC Part 15
- EMC: EN55022, and EN55024
- Safety: EN60950-1, EN60601-1 (Medical)