

# Comlab

## Remote Systems Monitoring of Critical Transmission Systems

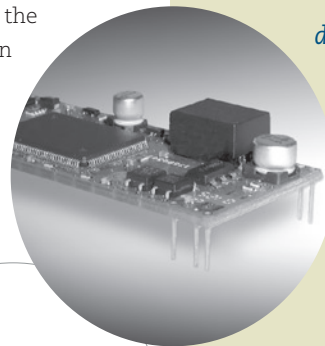
Leading broadcasters and telecom service providers require reliable 24/7 real-time monitoring and control of their critical transmission systems. Comlab's Davicom remote-site Monitoring, Alarm & Control (MAC) systems and the embedded Multi-Tech SocketModem provide this ability remotely and solve the problems often encountered by the broadcasting and wireless telecommunications industries.

Typically, when a problem occurs at a remote transmitter site, engineering personnel must often travel to the site without knowing the nature of the problem, or even which spare parts to bring. Now, the comprehensive Davicom MAC system can communicate via the Multi-Tech SocketModem to tell them exactly what has happened and save valuable time. The SocketModem initiates multilevel alarms and sends status information directly to a phone (voice or SMS), pager, fax, modem, or through the MacNet multi-site alarm management software. In addition, MAC systems can be called upon, by technical personnel, to remotely control and diagnose on-site equipment problems via the SocketModem modem connection.

Remote control makes it possible to talk to other on-site ancillary equipment such as RDS generators, audio processors, satellite receivers, backup transmitters, alternative source feeds, standby generators, HVAC systems, etc. The system can for example detect an RF failure, place the standby transmitter on air and restore the signal, while engineering personnel diagnose the problem from the alarm log and through manual remote measurements to ultimately decide on the appropriate course of action.

"The Multi-Tech SocketModem embedded modems contribute significantly to the MAC System's rich list of features," explains John Ahern, President of Comlab. "Besides normal modem communications, both fax and voice-response are critical capabilities provided by the Multi-Tech modem."

Comlab chose the Multi-Tech SocketModem V.92 embedded modem because of its global approvals. "One model is approved for use and compatible with the telephone network worldwide," said Ahern. "Multi-Tech's global approvals, CE marking and FCC certification greatly simplifies our regulatory procedures, saving us time and money, and gets our product into other countries more quickly."



## SocketModem

- Complete modem solution including the controller, data pump, and DAA
- Global compliance
- Universal socket connectivity
- Quick-to-market solution

**Comlab**, Comlab's mission is to provide innovative solutions to problems in diverse industries through the application of RF technologies.

The company is involved in the development of RF, microwave, radar and broadcast systems. In the broadcast field, Comlab develops, manufactures and maintains the Davicom line of Remote Site Monitoring, Alarm and Control (MAC)

systems. The Davicom MAC systems are sold worldwide through a network of qualified distributors. Comlab is a private Canadian company founded in 1984. Its head office and R&D laboratories are located in Quebec City, and the production facility is located in Trois-Rivieres, Canada.



**For more information contact:**

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