



PRODUCTS

900 - MB

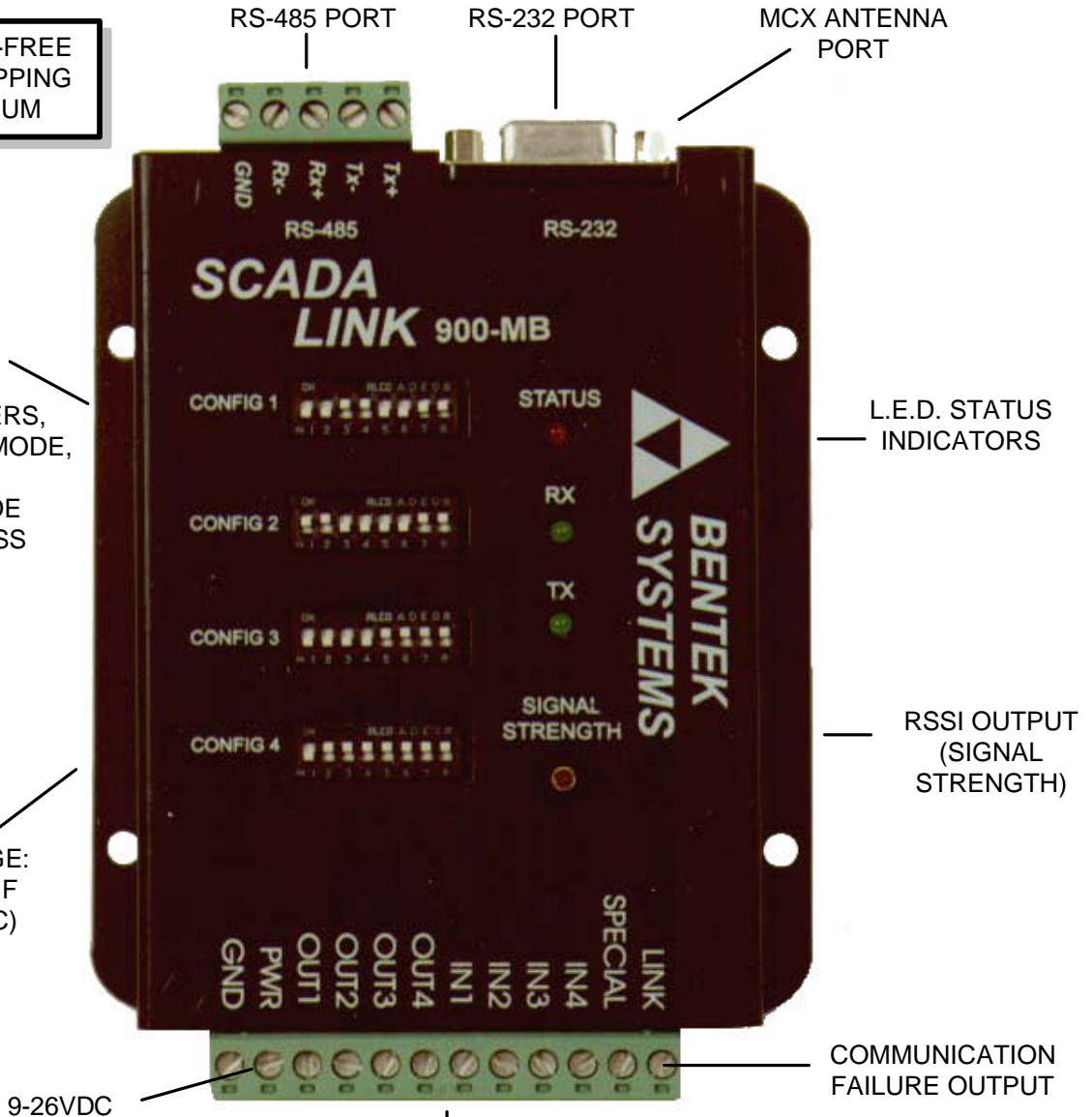
INTEGRATED RTU / RADIOMODEM

The SCADALink 900-MB is an integrated spread spectrum radiomodem and Modbus compatible I/O controller. For applications with limited remote I/O requirements, no additional PLC or RTU equipment is necessary. If, in the future, communications to a PLC, RTU, VFD or Flowcomputer is required, the communications link is already in place via the RS-232 or RS-485 ports.

902-928 LICENSE-FREE
FREQUENCY HOPPING
SPREAD SPECTRUM

CONFIGURATION
DIP SWITCHES:
•PORT PARAMETERS,
•MASTER/SLAVE MODE,
•END-TO-END I/O
TELEMETRY MODE
•MODBUS ADDRESS
ETC, ETC...

WIDE TEMP RANGE:
-40 TO +140 Deg F
(-40 TO +60 Deg C)



MODBUS COMPATIBLE I/O:
IN1-4: DIGITAL or 8 BIT ANALOG, OUT1-4: DIGITAL
(I/O EXPANSION OPTIONS AVAILABLE)

**ACTUAL SIZE
SHOWN**





P R O D U C T S

900 - MB

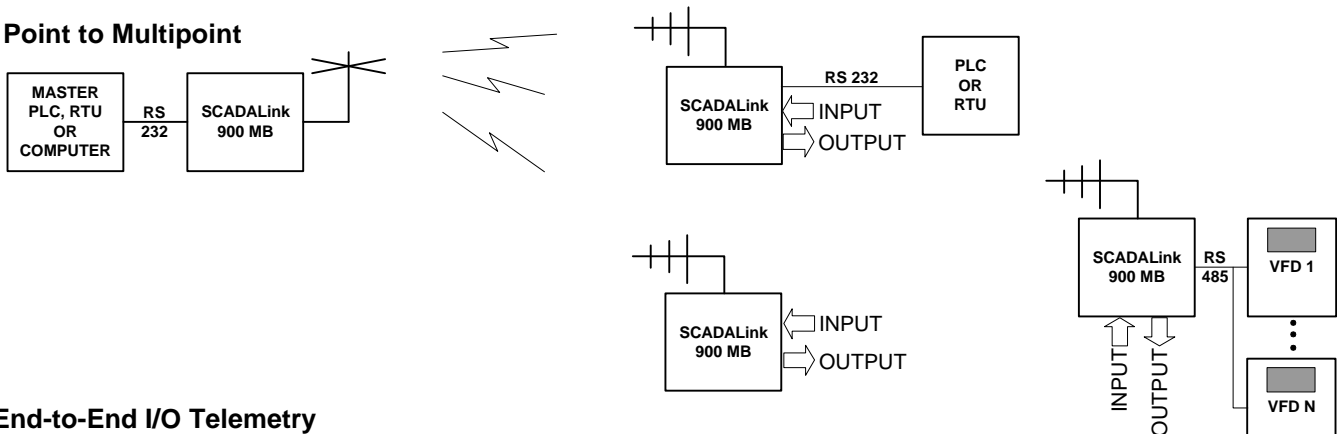
INTEGRATED RTU / RADIOMODEM

SPECIFICATIONS

General	Power Operating Temperature Size	9-26 VDC, 60 mA @ 12V RX, 250 mA @ 12V TX or 40 mA @ 24V RX, 145 mA @ 24V TX -40 to +60 Deg. C (-40 to +140 Deg. F) 5" L x 3.75" W x 1.5" D
Radio	Technique Frequency Hop Sequence Length Available Codes Hop Dwell Time TX Power RX Sensitivity	Frequency Hopping Spread Spectrum 902 – 928 Mhz 63 64,000 64 ms 1 Watt -108 dBm
Serial Port	Interface Data Rates Data Format Flow Control Bit Error Rates	RS-232 and RS-485 1200 – 19200 Baud Asynchronous – 7, 8 Bits; None or Even Parity, 1 Stop Bit RTS / CTS and None 10e -6 BER @ -106dBm
Input / Output	Protocol Base I/O	Modbus RTU IN1-IN4 4 DI/AI - 0-30VDC / 0-5VDC (8 bits) OUT1-OUT4 4 DO - Open Collector to GND Link Status - Open Collector to GND
Input / Output Options	Single Channel Analog Adapter Multi Channel Analog Expansion	MSP-C-IN converts INx to 12bit 4-20mA Input MSP-V-IN converts INx to 12bit 0-5VDC Input MSP-CV-OUT converts to 4-20mA, 0-5Vdc or 0-10Vdc at OUTx IOEXP402 Adds 4 AI (12 bit) & 2 Pulse Inputs IOEXP442 Adds 4 AI (12 bit), 4 AO (14 bit) & 2 Pulse Inputs
Approval		CSA Class1 Div2, FCC, ISC

TYPICAL APPLICATIONS

Point to Multipoint



End-to-End I/O Telemetry

