

# Symetrics Weapons Data Link



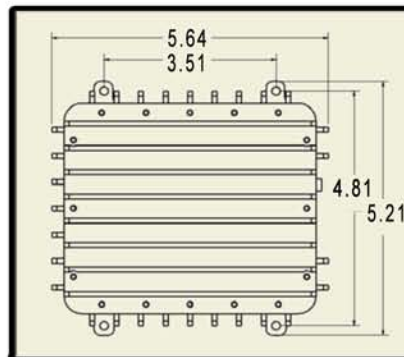
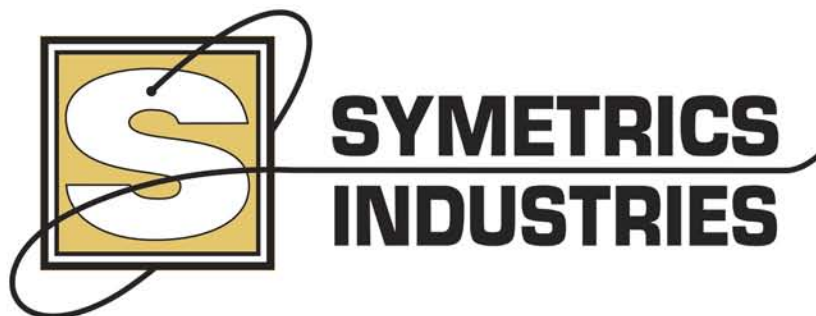
- All Weather
- Network Enabled
- Low Cost



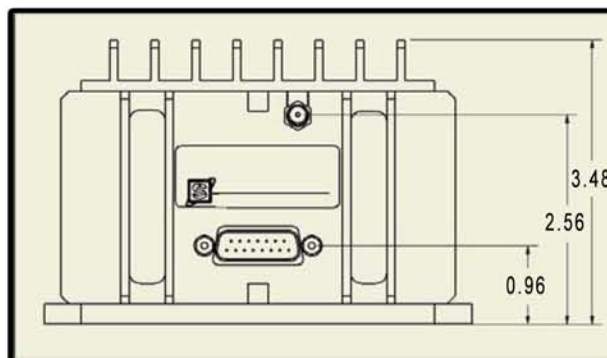
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Photos: DoD



**WEAPONS DATALINK PHYSICAL DIMENSIONS**



The Weapons DataLink is a data modem and radio combined that provides users with the capability to transmit and receive data to and from a digital message device using TACFIRE protocol, AFAPD protocol, IDL protocol, or MIL-STD-188-220.

#### Radio DataLink Specifications

- |  |   |
|--|---|
| <ul style="list-style-type: none"> <li>⊙ Frequency Ranges available –</li> <li>⊙ Power Consumption           <ul style="list-style-type: none"> <li>• UHF power amp</li> <li>• Transceiver</li> </ul> </li> <li>⊙ Frequency Step Size</li> <li>⊙ Frequency Accuracy</li> <li>⊙ TX power</li> <li>⊙ Noise Figure</li> <li>⊙ TX and RX VSWR</li> <li>⊙ Modulation/Demodulation Formats</li> <li>⊙ BER performance           <ul style="list-style-type: none"> <li>• ASK 90% 16kbps</li> <li>• CPFSK 1200bps</li> <li>• Software Radio upgradeable</li> <li>• LO re-radiation</li> </ul> </li> </ul> | <p>310 – 400MHz<br/>           &lt; 25Watts @ 10% TX = 5 Watts<br/>           5Vdc @ 2amps max, 1.7 amps typ<br/>           &lt; 2 amps @ 3.3Vdc<br/>           25kHz (8.33kHz optional)<br/>           +/- .5ppm @ 0 – 70C, +/-1ppm -40 – 0C<br/>           5Watts<br/>           &lt; 10dB<br/>           &lt; 2.0:1<br/>           ASK 16kbps 90%, CPFSK 1200bps,<br/>           1200 and 2400 Hz tone pairs</p> <p>1e-3 BER @ -110dBm<br/>           1e-3BER @ -120dBm<br/>           M-PSK, MSK, GMSK, M-QAM, OFDM<br/>           -80dBm</p> |
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