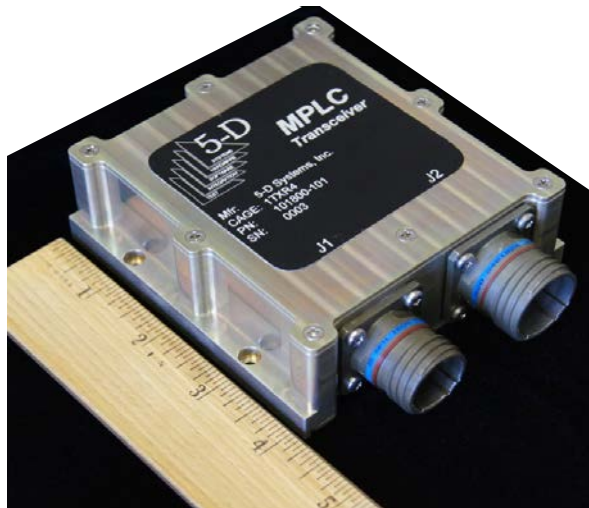


Militarized Powerline Communications (MPLC) Data Sheet



Providing instant and secure access to remote hardware using existing power lines as the communications medium

The Militarized Powerline Communications (MPLC) transceiver provides an affordable solution (in both cost and schedule) to integrate infrastructure hardware (e.g. smart generators). The MPLC transceivers leverage commercial powerline networking technology to dual purpose existing power wiring into a serial or CANBus network, without disrupting power delivery.

An example implementation (shown above) is integration of multiple, modern generators to a remote monitoring station. MPLC transceivers are co-located with the generators, connected to the generators' monitoring port and power grid; and also with the assigned monitoring station. This approach minimizes the cabling infrastructure, its susceptibility to breaks, and improves maintenance personnel efficiency via remote monitoring.

Key Features

- Militarized narrowband Power Line

- Communications (PLC) technology
- Throughput up to 30kbps
- Transparent integration and non-interfering with existing hardware
- Ruggedized for harsh exterior and interior environments
- Designed/tested to MIL-STD-810G and -461F
- Operations (tailorable) from AC or DC power, including 400Hz AC power
- Small volume (28in³)
- Light weight (16oz)
- Low power (3W)

For more information on MPLC, contact:
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