

# **NMIL-5100**

## **2400 BPS MODEM CARD**

The NMIL-5100 2400 bps Modem Card, in 2x4" format, provides a JEDSTACK computer system using the CH1786 can be controlled with the industry standard AT commands and, hence, is compatible with available industry communication software. The CH1786 modems support asynchronous operation at 2400 bps, 1200 bps, and 300 bps to both Bell and CCITT standards. The CH1786 UL meet 1000VAC RMS isolation requirements. The NMIL-5100 2400 bps modems card operate off a single 5 volt supply with low power operation and automatic standard mode make ideally suited for portable equipment.

### **FEATURES**

- AT command structure - with extensions.
- 1000 VAC RMS isolation barrier minimum, 1500V peak surge.
- Single 5 volt operation.
- Low power operation with automatic reduced power standby mode.
- Automatic adaptive and fixed compromise equalization Test modes and diagnostics.
- NVRAM allows storage of custom configurations and telephone numbers.
- 2400 bps Modem, Non-volatile RAM, Voice/Inject, Hermetic.
- CM16C550 Universal Asynchronous.
- Receiver / Transmitter with FIFOs.
- Adds or deletes standard asynchronous communication bits ( start, stop and parity ) to or from the serial data.
- Independently controlled transmit, receive, line status, and data set interrupts.
- Modem control functions (CTS, RTS, DSR, DTR, RI, and DCD ).
- False start bit detection.
- Line break generation and detection.
- Capable of running all existing 16540 software.
- Complete status reporting capabilities.

The NMIL-5100 2400 bps Modem is a highly integrated, full-function modem, comprised of a modulator/demodulator, controller, NVRAM (Non-Volatile RAM) and an FCC Part 68 approved PSTN line interface Data Access Arrangement. The NMIL-5100 makes a very low cost effective solution.