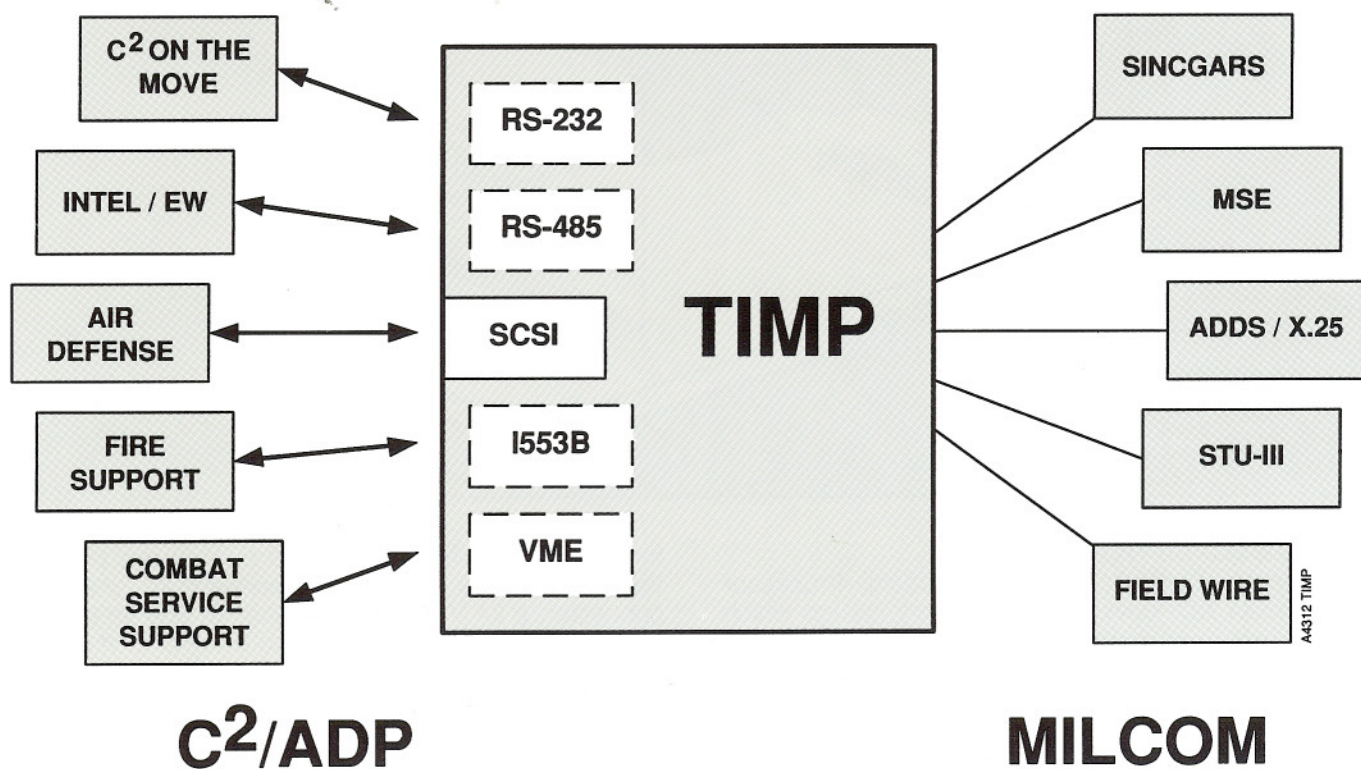


LORAL LIBRASCOPE'S

TACTICAL INTELLIGENT MODEM PROCESSOR (TIMP)

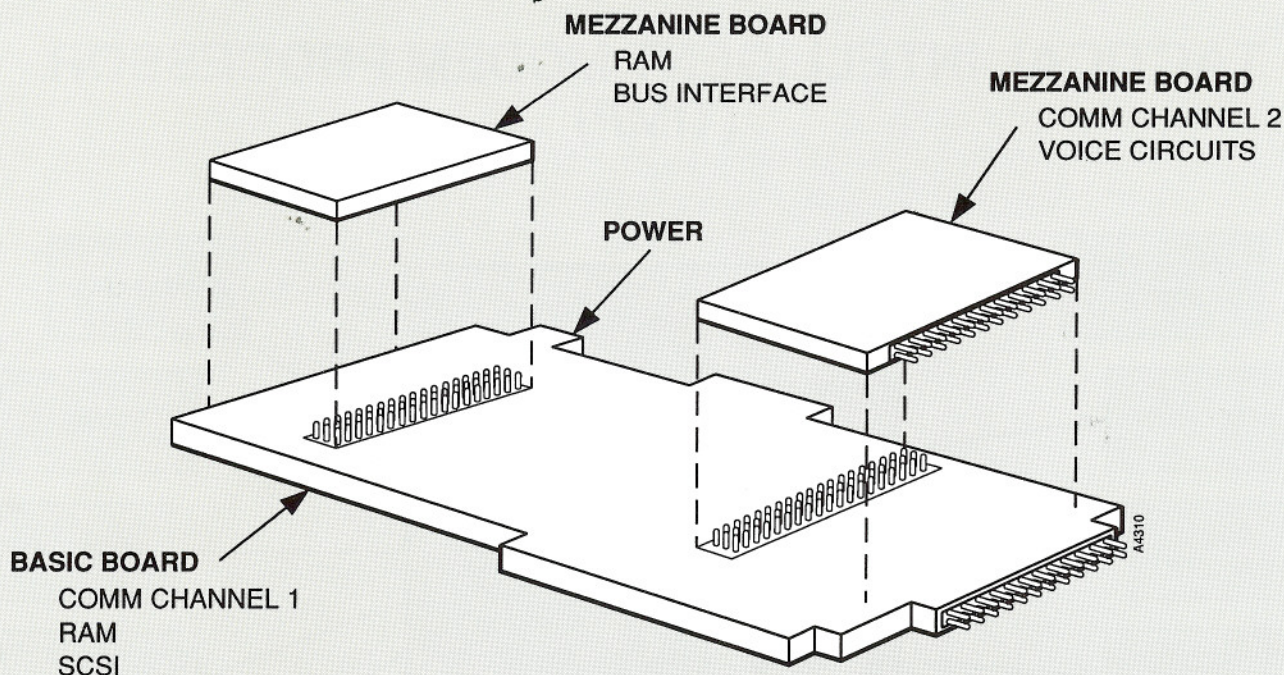


TIMP APPLICATIONS



- Communications Interfaces and Protocol Processing
- Message Handling
- Remote Monitoring and Testing
- Network Management/Control

TACTICAL INTELLIGENT MODEM PROCESSOR (TIMP)



TIMP DESCRIPTION

Librascope's Tactical Intelligent Modem Processor (TIMP) is an NDI device with a military design which provides both hardware and software interfaces between host computers and tactical or commercial communications systems. The TIMP contains all of the specialized hardware required to provide an electrical interface to a wide variety of defense communications networks. This hardware is under complete control of software programs resident on the TIMP's single circuit card assembly.

The TIMP provides the necessary interfacing protocols for the external communications channels and the host computer network. It has a flexible architecture with the capability to expand or change the host computer interface, memory size, communications channels and power source in a modular fashion that reduces life cycle costs.

HARDWARE / SOFTWARE FEATURES

The TIMP hardware features an MC68030 micro-processor operating at 18 MHz using less than 50 percent of the 2 MB onboard RAM. External interfaces

for SINCGARS, MSE, X.25 and STU-III are provided through a single direct cable connection. An SCSI connector, a 24 VDC power connector and an optional voice handset connector are also integral to the TIMP design.

The TIMP is currently operating with the Army's Tactical Command and Control System (ATCCS) and Maneuver Control System (MCS) Version 10 communications software. The TIMP software design is implemented to allow easy transport of the MCS Segment 11 communications software which is a combination of Ada and Assembly Language. Signal data rates supported by the TIMP are MIL-STD-188-100 up to 64 kbps. Built-in test and diagnostics software are also provided.

SPECIFICATIONS

Design: Commercial, Rugged NDI or Fully Militarized

Weight: Less Than 5 lbs Total Operating Weight

Power: 10 Watts Power Consumption worst Case,
24 VDC

Volume: Less Than 260 Cubic Inches

For additional information, write or telephone:
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