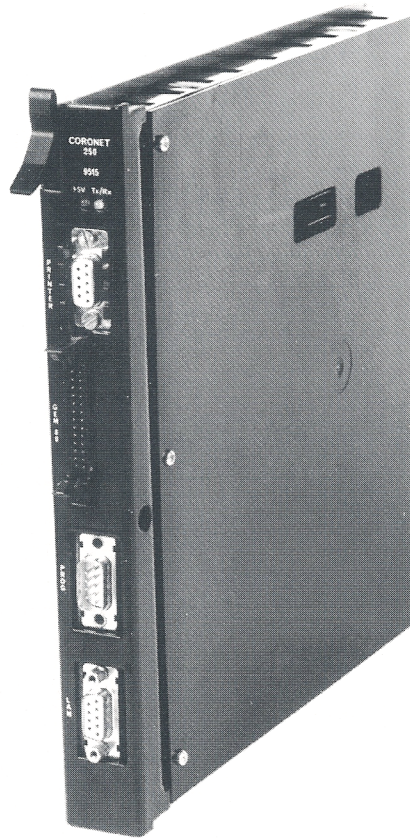


CORONET '250' Local Area Network Interface Module 9515



INTRODUCTION

The CORONET '250' is a single-width I/O module which provides a convenient means of interfacing the serial link output from a host GEM 80 Controller to an RS485 Local Area Network (LAN).

Operating at 250 kbaud, the CORONET '250' has been designed to meet user's requirements for fast communication on Local Area Networks which permit 'masterless' communication. Each intelligent device on the LAN has equal priority and may initiate messages at any time.

All data and control connections are made via plugs and sockets at the front of the module and up to 32 modules can be supported on the LAN. For more complex installations, gateway devices can be used to extend the LAN two, three or fourfold.

FEATURES

- 250 kbaud communication rate on LAN.
- Dependent on cable type, the network can be up to 4km. in length.
- Up to 32 modules can be connected to a single CORONET LAN.
- Network is extendable from 32 to 122 modules using network gateways.
- Allows 'peer-to-peer' communications.
- Allows remote programming over the network via enhanced System Programmers.
- Provides access to printers on the LAN from System Programmers.
- Full isolation between CORONET 250 and the LAN.
- Interface to 50 kbaud LAN network is available via gateway devices.
- LAN communication by screened twisted pair cable.

CORONET '250' Local Area Network Interface Module 9515

SPECIFICATION

DATA TRANSMISSION

Network : 250 kbaud
GEM 80 to 9515 Module : 9.6 kbaud

INTERFACE

GEM 80/System Programmer to 9515 Module : RS422
9515 Module to LAN : RS485
9515 Module to extra port: : RS422
Configuration device to 9515 Module : RS232

INSTALLATION

Power consumption : 1A @ 5V dc.
Isolation : 0.5kV
Dimensions : 223mm (H)
 28mm (W)
 250mm (D)
Temperature range : 10 to 40°C
Operating Humidity : 10 to 90% RH
 non-condensing

Maximum LAN distance:

1.3km with recommended cable.
(type RG108A/U).

Other special purpose cables can be used to
extend the network to 3-4km.

Refer to GEM 80 Customer Services Dept.
for details.

ORDERING CODES

CORONET Interface Module 9515-4001
(including 9-way D-type
connector)

CORONET Interface Module 9515-4002
(for spares only)

Terminators (includes 1 plug per terminator)
110V ac (2 off) 8898-4055
220V ac (2 off) 8898-4056
'Tee' connector (includes 3 plugs) 8898-4052
RG108 Order per metre. 56623/108
(100m lengths available)

ADDITIONAL INFORMATION

RELATED DOCUMENTS:

Serial Communications Manual
(Document Number T457).
System Programmer Technical Manual
(Document Number T298).
GEM 80 Glossary of Terminology
(Document Number T290).

Further information and help on GEM 80 products
or applications can be obtained from:

Your local GEM 80 representative,
or GEM 80 Customer Service Dept.
Tel. 0782 783511. Ext. 2651 or 2574
International Code 44 782 783511

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