INTRAPLEX® DS-961DG
Synchronous Data Module

The Intraplex® DS-961DG synchronous data module provides interfaces for five synchronous data circuits at data rates from 1.2 to 9.6 Kb/s or a combination of two 19.2 Kb/s and one 9.6 Kb/s circuit. The DS-961DG synchronous data module can be used in T1 (1.5 Mb/s), IP and 64 Kb/s DDS multiplexers.

The module plugs into Intraplex access products, allowing low-speed data channels to be combined with other types of payload channels for transport over high-speed digital lines.

- One-way or full-duplex operation
- Loopback of all channels at the receive side
- Optional timing inversion
- Occupies only one user-selectable time slot
- Programmable interface pin is configurable as terminal timing input or fixed level output

For synchronous data transmission at rates greater than 19.2 Kb/s, refer to the DS-562i, DS-64NC and D-100 modules.

Specifications
Specifications and designs are subject to change without notice

General	
System Compatibility	The DS-961DG is compatible with Intraplex T1, IP and 64 Kb/s DDS access products
Data	
Data Ports	Full-duplex, five independent data ports
Clock/Data Rates	Two operating modes: • Five channels at a selectable common rate of 1.2, 2.4, 4.8 or 9.6 Kb/s • Two channels at 19.2 Kb/s and one channel at 9.6 Kb/s
Buffers	Three-bit when using external timing source (terminal timing)
Timing	Selectable, external or internal
Input/Output Modules	
Data Interface	RS-232, one-way or full-duplex
Signals Supported	RS-232: transmit data (TD), receive data (RD), transmit timing (ST), receive timing (RT), terminal timing (TT), ground
Connectors	Each module requires one MA-404 module adapter, which provides five RJ-11 jacks for the RS-232 interfaces
Network Interface	
Time Slot (DS0) Assignments	All channels use one selectable time slot
Physical and Environmental	
Power Consumption	1.2 W
Temperature	32° to 122° F (0° to 50° C) operating
Humidity	0% to 90% noncondensing