



# INTRAPLEX® DS-562

Two Channel Async/Sync Data Module

The GatesAir DS-562 is a serial data transport channel module that offers a flexible array of operating modes. It supports the transport of one or two channels of serial data.

The DS-562 is used in conjunction with the MA-462. The MA-462 is a module adapter that supports two RS-232 ports connecting to user DTE compatible equipment.

The DS-562 can be used in any Intraplex multiplexer system including T1, E1, DDS, and IP access products.



## Intraplex® DS-562 Features

- Selectable serial data rate between 1.2 to 19.2 kbps
- One or two channels of serial data transport
- Half or full-duplex operation. In half duplex, selectable transmit/receive direction
- Serial synchronous or asynchronous mode of operation
- Transport and monitoring of serial port flow control signals
- Fully independent send and receive timing (at the same nominal rate in both directions)
- Local and remote loopback
- Usage of one timeslot (64 kbps), regardless of serial data rate or mode
- Remote control configuration and status
- RS-232 interface

# Intraplex<sup>®</sup> DS-562

## Specifications

Specifications and designs are subject to change without notice

General					
System Compatibility	The DS-562 can be used in any Intraplex multiplexor system including T1, E1, ISDN, DDS, and IP access products				
Data					
Data Ports	<ul style="list-style-type: none"><li>Data rates of 1.2, 2.4, 4.8, 9.6, and 19.2 kbps</li><li>One or two channels or serial data transport</li></ul>				
Data Modes	<table border="1"><tr><td>Synchronous serial (clocked data) or asynchronous serial</td><td>Synchronous mode supports:<ul style="list-style-type: none"><li>Independent timing of terminal timing (TT) and receive timing (RT) to synchronize to customer DTE equipment timing</li></ul></td></tr><tr><td></td><td>Asynchronous mode supports:<ul style="list-style-type: none"><li>Parity: none, even, odd, or space</li><li>Data Bits: 8 or 7</li><li>Stop Bits: 2 or 1</li></ul></td></tr></table>	Synchronous serial (clocked data) or asynchronous serial	Synchronous mode supports: <ul style="list-style-type: none"><li>Independent timing of terminal timing (TT) and receive timing (RT) to synchronize to customer DTE equipment timing</li></ul>		Asynchronous mode supports: <ul style="list-style-type: none"><li>Parity: none, even, odd, or space</li><li>Data Bits: 8 or 7</li><li>Stop Bits: 2 or 1</li></ul>
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Data Interface	MA-462 supports two RS-232 DTE ports				
Signals Supported	TD, TT, ST, RT, RD, DTR, DCD, DSR, RTS, CTS, RI, LL, RL, TM				
Flow Control	Supports hardware flow control signaling using RTS, DTR CTS, DCD, and DSR				
Duplex	<ul style="list-style-type: none"><li>Full-duplex or half-duplex</li><li>In half-duplex, selectable direction: transmit only or receive only</li></ul>				
Module Adapter					
MA-462	<ul style="list-style-type: none"><li>MA-462 supports two RS-232 DTE interfaces</li><li>Connector is a 37-pin SUB-D with female pins that supports an adapter cable that splits out to two RS-232 standard 25-pin SUB-D RS-232 connectors</li></ul>				
Network Interface					
Time Slot (DS0) Assignments	One time slot (64 kbps). Selectable starting timeslot position				
Status and Diagnostics					
LED Indicators	<ul style="list-style-type: none"><li>Service on/off</li><li>Transmit activity</li><li>Transmit buffer</li><li>Receive activity</li><li>Receive buffer</li><li>Loopback active</li></ul>				
Loopbacks	Local and remote loopback capability				
Remote Interface	Compatible with ISiCL remote command language, allows module configuration and status access				
Physical and Environmental					
Nominal Power Consumption	Less than 1 Watt				
Temperature	0°C–50°C operating				
Humidity	0%–90% non-condensing				