



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.

Key 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

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">Data rates of 1.2, 2.4, 4.8, 9.6, and 19.2 kbpsOne or two channels or serial data transport	
Data Modes	Synchronous serial (clocked data) or asynchronous serial	Synchronous mode supports: <ul style="list-style-type: none">Independent timing of terminal timing (TT) and receive timing (RT) to synchronize to customer DTE equipment timing
		Asynchronous mode supports: <ul style="list-style-type: none">Parity: none, even, odd, or spaceData Bits: 8 or 7Stop Bits: 2 or 1
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">Full-duplex or half-duplexIn half-duplex, selectable direction: transmit only or receive only	
Module Adapter		
MA-462	<ul style="list-style-type: none">MA-462 supports two RS-232 DTE interfacesConnector 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	
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">Service on/offTransmit activityTransmit bufferReceive activityReceive bufferLoopback active	
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	