



Intraplex® DA-91A

Two Port Asynchronous Data Polling Channel Module



The Intraplex DA-91A is an Asynchronous Data Polling Channel Module designed for use in Intraplex ACS-160 and ACS-260 Series multiplexers. It provides one or two full duplex channels between an unlimited number of locations using a single 64 kbps DS0 time slot.

The DA-91A is ideal for interconnecting remotely located DTE equipment that can respond to data polling. It constantly monitors data from one or both directions of the T1 or E1 bus in either a drop and insert or terminal shelf application. Transmission is activated upon the reception of an RTS (Request to Send) from the DTE equipment.

Note: Not compatible with Intraplex NetXpress™.

Key Features

- Dual channel data polling. The transmission rate for single channel operation is up to 9.6 kbps (up to 19.2 kbps with 35% jitter). The transmission rate for dual channel operation is up to 4.8 kbps for each channel.
- Responds to series of commands: Data Set Ready, Request To Send and Clear To Send, etc.
- Selectable Bus A, Bus B or both (D&I): The DA-91A automatically detects if the system is T1 or E1 and configures itself appropriately.
- Occupies one DS0 and uses same DS0 in a Drop and Insert Network
- Remote control configuration and status reporting
- Time slot selection

Specifications

Specifications and designs are subject to change without notice

General		
Asynchronous Data Interface	Full duplex, one or two channel operation, two independent RS-232 data ports.	
Live Insertion/Extraction	The DA-91A is capable of live insertion into and extraction from the ACS-160 multiplexer shelf without interruption to the DS1 or any other DS0.	
Data		
Data Rates	<ul style="list-style-type: none">One Channel operation: 0 bps to 19.2 kbpsTwo Channel operation: 0 bps to 4.8 kbps	
Time Slots	Both channels occupy one selectable DS0 time slot.	
Jitter	Jitter rates shown below are proportionally lower for lower input rates: <ul style="list-style-type: none">At 4.8 kbps output data jitter is 20%At 9.6 kbps output data jitter is 20%At 19.2 kbps output data jitter is 35%	
Network Interface		
RS-232 Interface	Supports: Tx Data, Rx Data, Receive Line Signal Detect, Request to Send, Clear to Send, Data Set Ready, Signal Ground.	
Connectors	The DA-91A module requires the use of the MA-429 Module Adapter, which provides two DB-9 connectors for the RS-232 interface.	
Status and Diagnostics		
11 LED indicators	CH1 & 2 RTS LEDs	Lit when Channel 1 & 2 Request To Send active
	CH1 & 2 TX & RX LEDs	Lit when Channel 1 & 2 transmitting/receiving
	CH1 & 2 RLSD LED	Lit when Channel 1 & 2 Receive Line Signal Detect active
	LOC LB LED	Lit when module is in Local Loopback mode
	REM LB LED	Lit when module is in Remote Loopback mode
	Service LED	Lit when service is ON
Physical and Environmental		
Power Dissipation	1 Watt nominal	
RFI/EMI	C.37.90.2	
Operating Temperature	-30°C to + 70°C (-22°F to +158°F)	
Humidity	0 to 95%, non-condensing	