

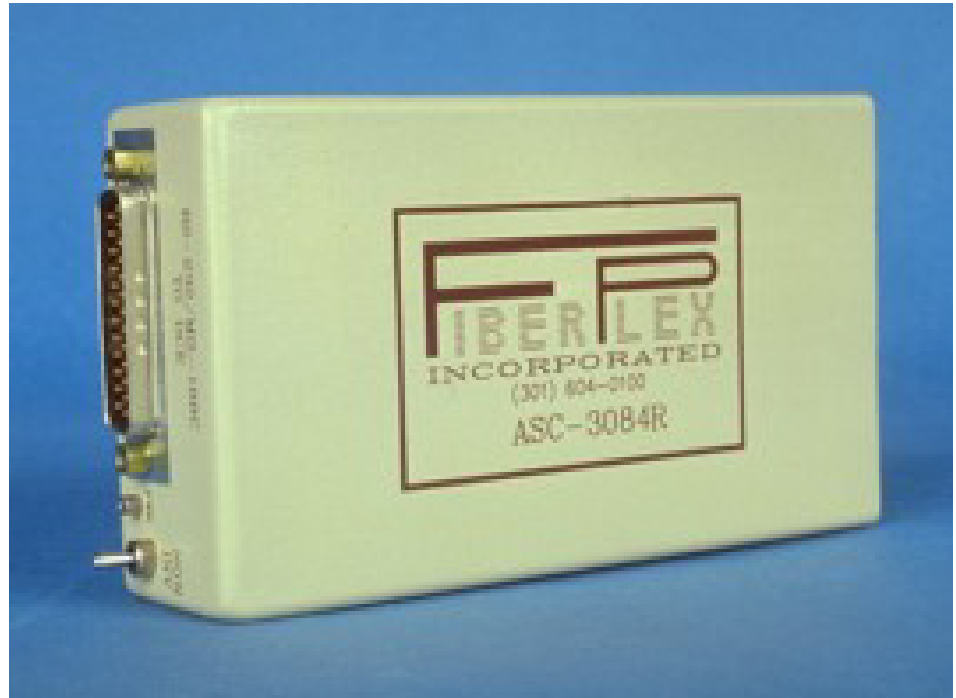
PRODUCT LINE:

Asynchronous to Synchronous
Converter

CATEGORY:

TIA/EIA-232 (RS-232)

2.4 to 56 kbps



ASC-3084R

FEATURES

- Data Rate: 2.4 to 56 kbps
- Can be used with DCE equipment such as the KG-84A/C and KIV-7 cryptographic devices.

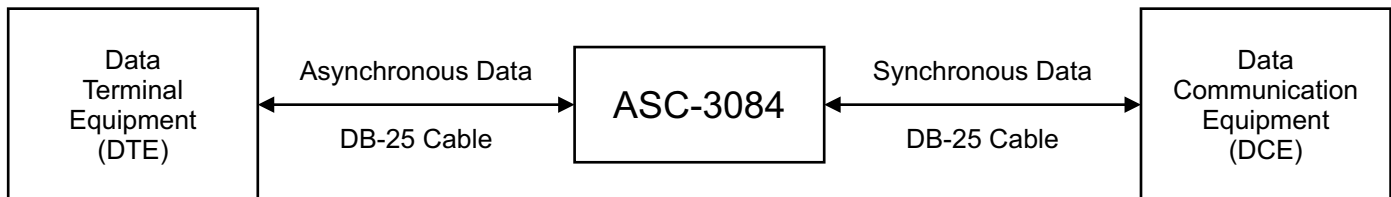
DESCRIPTION

The ASC-3084 takes asynchronous signals from the DTE into its internal buffer and clocks the signals out at DCE Send Timing (ST) clock rate synchronously. Signals from the DCE are passed to the DTE unprocessed. The ASC-3084 requires a high signal level on the DCE Carrier Detect (CD) for the unit to function. A low signal level on the DCE Carrier Detect (CD) will keep the unit in reset. Flow control is activated by the DTE Clear To Send (CTS) pin.

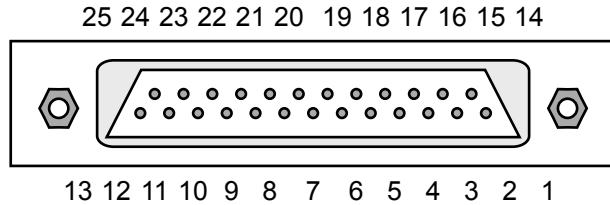
For compatibility with MIL-STD-188C, the transmit and receive data (TD and RD) can be inverted through the unit by a toggle switch. FiberPlex recommends "R" units for high security applications because the units have added shielding and filtering for RFI suppression.

SPECIFICATIONS					
		minimum	typical	maximum	unit
AC Power Requirement	Input Voltage	-	6	-	VAC
	Input Frequency	50	-	60	Hz
	Input Current	-	275	-	mA
DC Power Requirement	Input Voltage	7	9	12	VDC
	Input Current	-	150	-	mA
Data Rate		2.4	-	56	kbps
Environmental	Storage Temperature	-40	-	85	°C
	Operating Temperature	0	-	50	°C
Interface Connector	TO DCE (RS-232)	DB-25 Male			
	TO DTE (RS-232)	DB-25 Female			
Case Dimensions	Size 3	width	height	length	unit
		1.453	3.188	5.75	inches

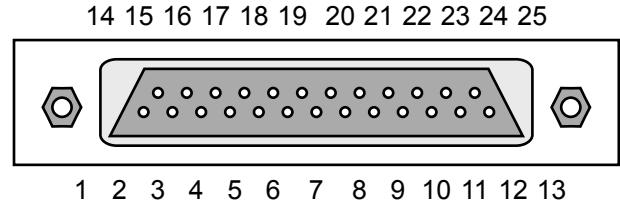
TYPICAL APPLICATION



TO DCE



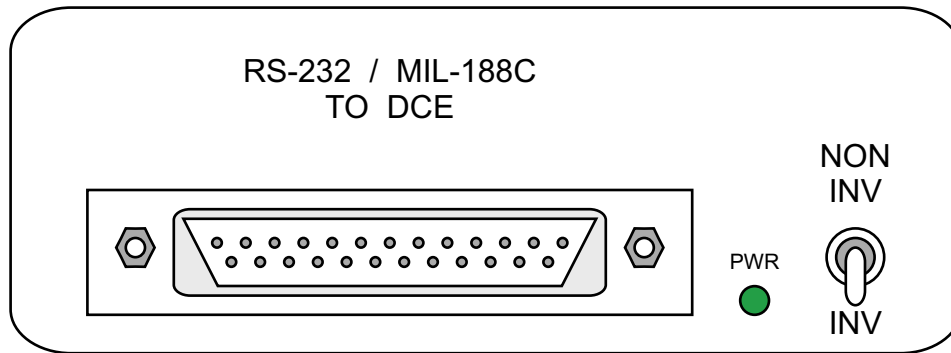
TO DTE



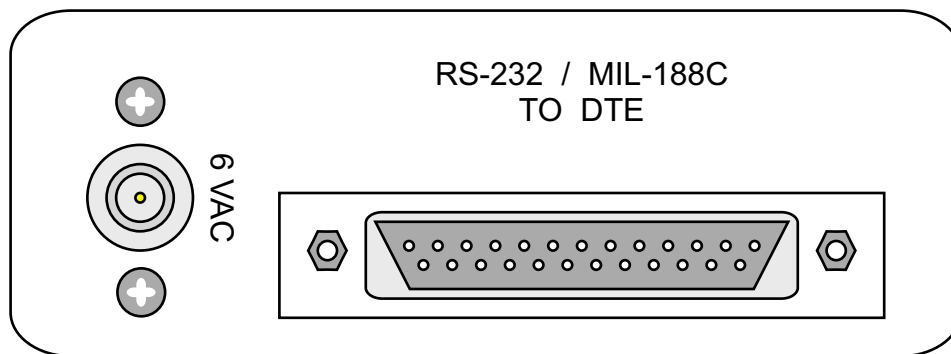
DB-25 Male pinout			
Pin	Direction	Label	Description
1			Chassis Ground
2	Out	TD	Transmit Data
3	In	RD	Receive Data
4	Out	RTS	Request To Send
5			
6	In	DSR	Data Set Ready
7			Signal Ground
8	In	CD	Carrier Detect
9	-	-	-
10			
11			
12	-	-	-
13			
14			Signal Ground
15	In	ST	Send Timing
16			
17	-	-	-
18			
19			
20	Out	TR	Terminal Ready
21			
22	In	IC	Incoming Call
23			
24			
25			

DB-25 Female pinout			
Pin	Direction	Label	Description
1			Chassis Ground
2	In	TD	Transmit Data
3	Out	RD	Receive Data
4	In	RTS	Request To Send
5	Out	CTS	Clear To Send
6	Out	DSR	Data Set Ready
7			Signal Ground
8	Out	CD	Carrier Detect
9	-	-	-
10			
11			
12	-	-	-
13			
14			
15	Out	ST	Send Timing
16			Signal Ground
17	-	-	-
18			
19			
20	In	TR	Terminal Ready
21			
22	Out	IC	Incoming Call
23			
24			
25			

- Pins highlighted in yellow are connected directly from the DCE to DTE. For example, pin 4 on the male DB-25 connector will be connected to pin 4 on the female DB-25 connector and so on.



ASC-3084 Front View

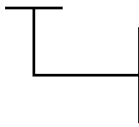


ASC-3084 Back View

LED INDICATOR		
Label	Color	Description
PWR	Green	Power supply in ASC unit is operating properly.
	Off	No power from the WTM power supply or open fuse inside the ASC unit. Check that the WTM power supply is operating properly. If the WTM power supply is good, separate the ASC unit from the WTM power supply for 30 seconds and then reattach so that the fuse inside the ASC unit has time to reset. If the PWR led is still off or not constant, replace the ASC unit.

SWITCH		
Label	Position	Description
INV	Down	<u>Invert</u> Typically set for MIL-STD-188C operation. Transmit Data (TD) and Receive Data (RD) are inverted.
NON INV	Up	<u>Non-Invert</u> Typically set for RS-232 operation. Transmit Data (TD) and Receive Data (RD) are passed transparently.

ACCESSORIES	
Model	Description
CMA-3001	Chassis Mount Adapter
RMC-3101	Rack Mount Chassis, 5-1/4" H x 19" W, front access
RMC-3201	Rack Mount Chassis, 5-1/4" H x 19" W, rear access
RMC-4101	Rack Mount Chassis, 5-1/4" H x 19" W, front access with rear exhaust fans and perforated front panel
WMA-3001	Wall Mount Adapter
WTM-3106	Power Supply for ICM-3xxx series

ORDERING INFORMATION
<p>ASC-3084</p>  <p>RFI Suppression: Blank = standard unit R = RFI suppressed</p> <p>Available Options: ASC-3084 ASC-3084R</p> <p>• For special applications that require custom units, please call FiberPlex for more information.</p>