

**1583-10 Data Distribution Amplifier**

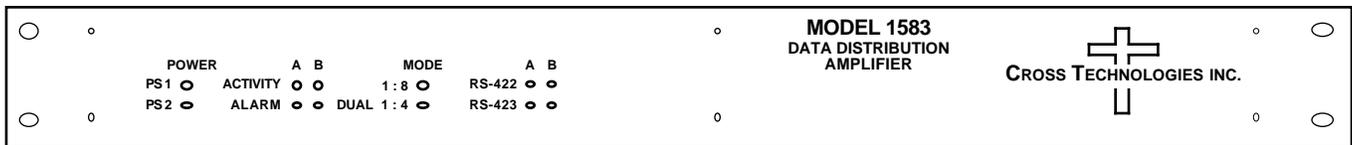
**EQUIPMENT DESCRIPTION**

The 1583-10 Data Distribution Amplifier is a dual-functionality unit which may be (factory) configured in either of two (2) modes:

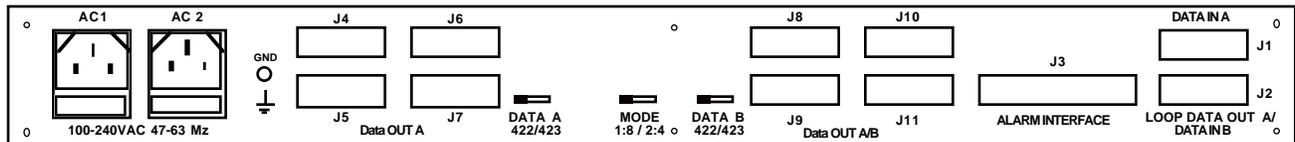
- 1:8 Mode, 1:8 data distribution plus pass-through mode; provides one (1) data input (J1) with eight (8) data outputs (J4 - J11) and a Input 'pass-through' (J2) for input data to be sent to another device OR ...
- Dual 1:4 Mode; two (2) data inputs (J1 & J2), each with four (4) data outputs (J4 - J7 and J8 - J11 respectively)

All data ports are (user selectable) RS422/423 (RS232 compatible) DB9, female connectors. Data signals on the DB9 connectors are pin 2 (RS232/423) or pins 2 & 7 (RS422). Data activity monitor (factory) set from 1 to 9 minutes.

Dual switching power supplies provide redundant power. Front panel LEDs indicate power supply operation, 1:8 or Dual 1:4 mode, Data activity (Inputs A and B). The unit is housed in a 1.75", rack mount chassis. Rear panel provides Alarm Interface (DB25) and Data type selection (RS 422 or 423(RS232 compatible)) switches.



**FIGURE 1.0 1583-10 Data Distribution Amplifier**



**FIGURE 2.0 1583-10 Rear Panel**

**1583-10 Technical Specifications**

**Data Characteristics**

Input/Output RS422/423 (RS232 compatible)  
 Data rate **512 kB/s max**  
 Inputs/outputs 1:8 mode: 1 input with hard wired loop of the input / 8 - Buffered RS422/423 outputs  
 Dual 1:4 mode: 2 inputs / each with 4 - Buffered RS422/423 outputs  
 Connectors Data: DB9, female, Alarm: DB25, female

**Indicators**

POWER CH1/CH2 LED; Turns green when power applied to POWER IN 1/2 respectively  
 Mode (1:8 / Dual 1:4) LED's turn Green when unit configured in either 1:8 or Dual 1:4 mode  
 Data Activity LEDs Green/Red based on data input activity setting, 1 to 9 minutes (factory set).

**Other**

Compliance RoHS-5, CE Compliant  
 Mechanical 19 inch standard chassis 1.75"high X 11.5" deep  
 Power 100-240 ± 10% VAC, 47 - 63 Hz, 10 watts, Redundant Switching Power Supplies

\*+10 to +40 degrees C; 2000 meters max elevation; 80% max humidity; Specifications subject to change without notice