

4. SYSTEM CONNECTIONS

There are several ways to connect the RosenView VX to an aircraft's data systems—either with one of two ARINC-429 inputs or an RS-232 (GPS) input.

The 429 buses can be either low- or high-speed buses (the bus speed is auto-detected). The RS-232 bus speed will auto-detect between 1200 to 9600 baud.

The labels on the ARINC bus are described below:

Data	ARINC Label
UTC Time	125
GMT Time	150
Barro Corrected Altitude	204
Static Air Temp	213
Date	260
Present Position Latitude	310
Present Position Longitude	311
Ground Speed	312
Ground Track	313
True Heading	314
Wind Speed	315
Wind Angle	316
Distance To Destination	351
Time to Destination	352
Destination Local Time	
Offset	353
Destination Airport ID 1*	365
Destination Airport ID 2*	366/364
Equipment ID	371
GAMA Flight Plan	
Data Record Header	74
Active Wpt From/To	75
Record Checksum	113
Wpt Mess. Chars 7-9	301
Wpt Mess. Chars 10-12	302
Waypoint Type	303
Wpt Mess Chars 1-3	304**
Wpt Mess Chars 4-6	305**
Wpt Latitude	306
Wpt Longitude	307

* Rockwell Collins' Proline 21 only

** Rockwell Collins' Proline series

To achieve at least basic operation, labels 125 or 150, 204, 260, 310, 311, 312, and 313 are necessary. Additional labels will provide more information, for example Destination Airport, Outside Air temperature, etc., but they will not be shown if they are not supplied.