

**Product Information for the BBG-RADDS  
RADDS to OJ194 "SMART" Converter Card**

The BBG-RADDS is an ISAbus compatible card which operates on the ISAbus of any PC or in a stand alone mode using an external power supply. The BBG-RADDS interfaces between the RADDS data stream and an OJ194 Radar console. The onboard processor receives the radar antenna azimuth and ownship course information from the RADDS data stream. This information is used to generate the DELTA-X, DELTA-Y, SIGN of COSINE, SIGN of SINE, RANGE MARKS, and END OF SWEEP signals needed to run the radar sweep of the OJ-194 console.

The BBG-RADDS is a "SMART" interface due to its onboard processor. During power up, the processor reads the configuration switch and fully configures and controls all functions required for operation. No ISAbus signals or cpu processing time is required. DC power is supplied by the ISAbus requiring no external power supplies.

In situations not requiring a PC interface, the BBG-RADDS operates in a "STAND-ALONE" mode. With the addition of an external +5 volt power supply, the onboard processor parses the 10M bps inputs and generates the OJ194 outputs without the requirement of a PCbus.

RADDS signals and OJ194 signals are available on coaxial connectors.

**IBM PC COMPATIBLE**

**RADDS INPUT INFORMATION:**

- RADAR AZIMUTH
- OWNERSHIP HEADING

**OUTPUT SIGNALS:**

- DELTA-X
- DELTA-Y
- SIGN OF COSINE
- SIGN OF SINE
- RANGE MARKS
- END OF SWEEP

**STAND-ALONE MODE  
WITH ADDITIONAL +5V  
POWER SUPPLY**

**CUSTOM IMPLEMENTATIONS  
AVAILABLE UPON REQUEST**

