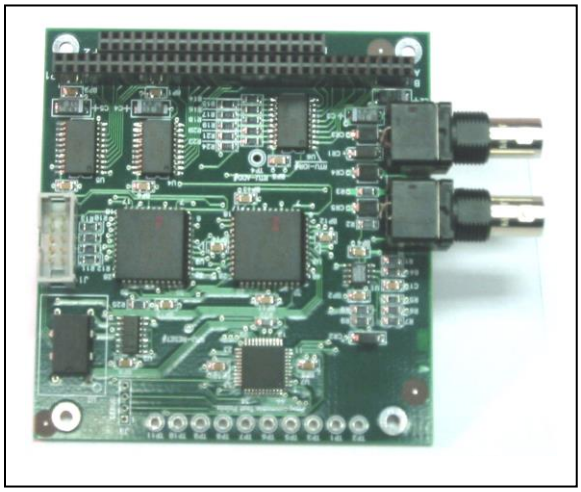
SAGE PC104 IRIG-B

IRIG-B Input/Output Module
C3831-000-00001



The PC104 IRIG-B Input / Output Module is an option that can be used with any of the SAGE 1410, 1430, 1450, and 2400 model Intelligent Terminal Units (ITU). It gives these units the ability to utilize a modulated or unmodulated IRIG-B signal as the primary or secondary time source and/or provide a modulated IRIG-B output to other Devices.

The SAGE units have always had the ability to use precision time sources such as an optional PC-104 GPS receiver or a serial communications link to an external clock and use these sources to accurately time stamp SOE or other event data with a high-resolution time stamp. With this card, an IRIG-B signal can be accepted directly from a BNC source for high resolution time. In addition to being able to use the time for its internal purposes, the IRIG-B can be provided as an output via a BNC connection to any number of external devices that accept an IRIG-B timing signal. This can be passed along from the Input IRIG-B source or generated as an IRIG-B output from any of the other time sources available to the SAGE unit. For example: The SAGE unit could utilize a signal from its GPS receiver and generate the IRIG-B output for relays based on the GPS time source.

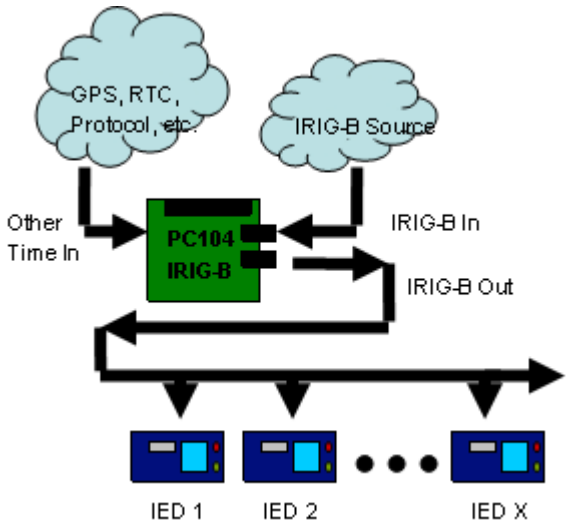
The PC104 IRIG-B Input/Output Module is easy to add to any unit. Simply plug it into the PC104 bus on the existing unit. It is added in the same way that the CPU, Serial Communication Expansion module or the GPS module is added to the PC104 stack. Once the card is added, connect your IRIG-B signal source and/or output to the BNC connections on the IRIG-b card.

IRIG-B INPUT

MODULATED/DEMODULATED
Accepts IRIG-B signal on BNC input connector

IRIG-B OUTPUT

DEMODULATED
Available on BNC output connector
20 K Ohm input impedance



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