

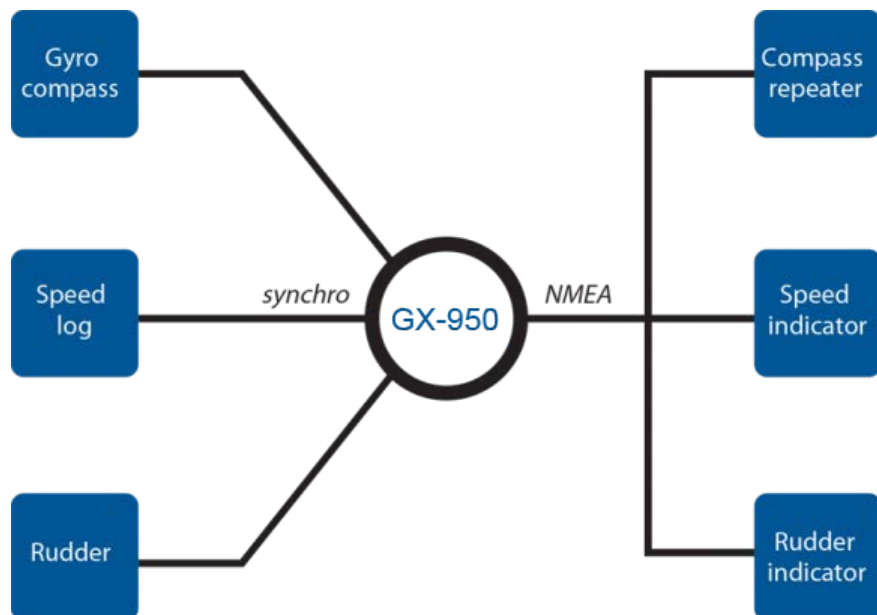


GX-950

Synchro-to-NMEA Converter

Accurate & Adaptable Marine Electronic Communication

The GX-950 bridges the communication gap between synchro and NMEA 0183. Today's standard communication protocol between maritime electronic devices is NMEA 0183. However, a variety of devices still output synchro data which makes interfacing an entire system challenging. Using a versatile, low cost, state-of-the-art, single chip, 16 bit monolithic synchro-to-digital converter, the GX-950 converts synchro output voltages and frequencies into standard NMEA 0183 serial data. The unit is user customizable including programmable resolution, bandwidth, velocity output scaling, and encoder emulation.



Evolving Solutions

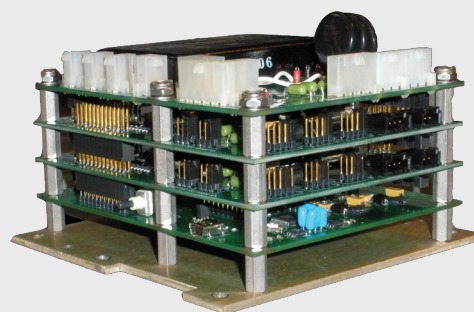


The Synchro-to-NMEA Converter enables communication between marine electronic devices such as sonar, gyrocompass, GPS receivers, and echo sounders onboard marine vessels.

Available
worldwide for
the commercial
maritime industry.

Unique Modular Design

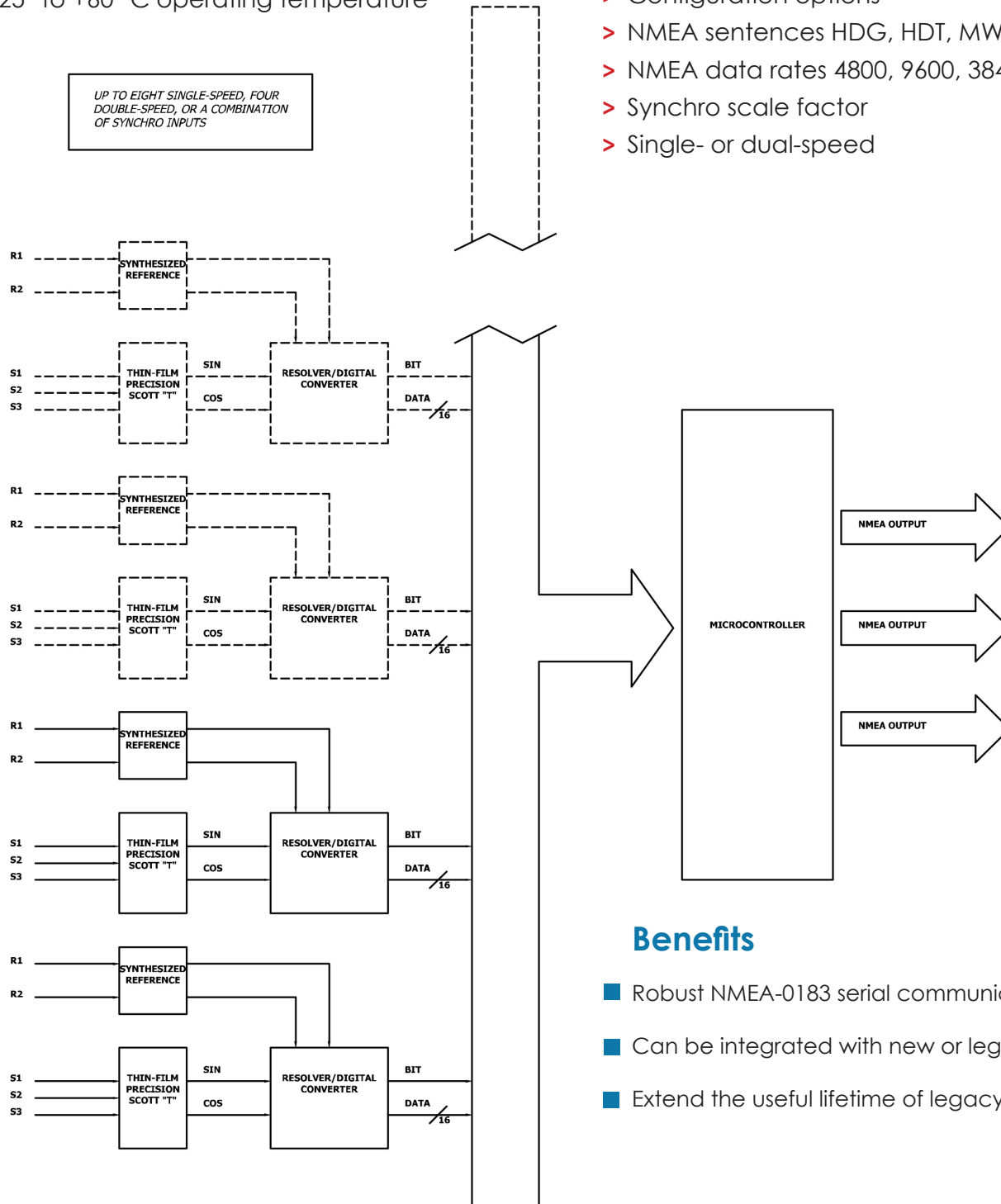
The unique modular design of the Synchro-to-NMEA Converter circuit card stack is configurable for one or up to eight synchro inputs.



Features

- > 60 or 400 Hz, reference powered
- > 90, 26, or 11.8 V leg
- > 16-bit resolution, accuracy up to 1.3 arc-minutes
- > -25° to +60° C operating temperature

- > Designed for harsh marine environments
- > Available in a NEMA 4X stainless steel enclosure
- > Built-in Test (BIT)
- > Configuration options
- > NMEA sentences HDG, HDT, MWV, ROT, RSA,
- > NMEA data rates 4800, 9600, 38400, or custom
- > Synchro scale factor
- > Single- or dual-speed



Benefits

- Robust NMEA-0183 serial communications protocol
- Can be integrated with new or legacy equipment
- Extend the useful lifetime of legacy equipment

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