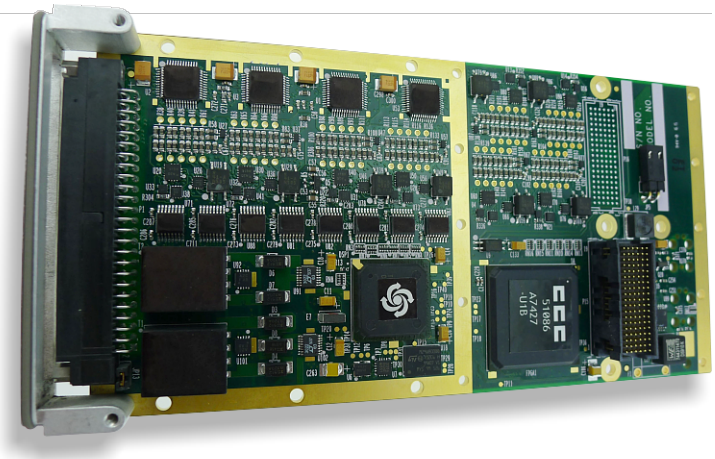
COMPUTER CONVERSIONS CORPORATION
6 Dunton Court, East Northport, N.Y. 11731
Phone (631) 261-3300 FAX (631) 261-3308

XMC SERIES

8 Input Synchro / Resolver & LVDT Card

FEATURES

- 8 Input Channel Programmable Single or Multi-Speed Resolver, Synchro, 2/3/5 Wire RVDT / LVDT,
- Wideband: 30-10KHz. Reference
- Autorange: 2-28.6V, 26-115V. Signals
- Resolution: 16 Bits Single Speed to 24 Bits Multi-Speed
- Accuracy: +/- 1 Arc Minute (Self-Calibrating)
- Programmable Multi-Speed Ratios: 2-255
- 1500 Volt Bus Isolation
- Digital Velocity +/ - 100RPS
- Powered by +5 / +12V and 3.3V from PCIe Bus
- Supports PCIe Through P15 Connector
- Synthetic reference compensates for phase shift



APPLICATIONS

- **UNMANNED GUIDED VEHICLES**
- **AIRCRAFT SENSOR TEST BEDS**
- **MOBILE TRACKING SYSTEMS**
- **NAVIGATION & DATA MULTIPLEXING**
- **NAVAL SYSTEMS**
- **RADAR & ANTENNA POSITIONING**
- **ROBOTICS POSITION FEEDBACK**
- **ACTIVE PAN & TILT CONTROLS**
- **PRODUCTION LINE MONITORING**

OVERVIEW

The Computer Conversions Corporation XMC Series are 8 Channel Synchro / Resolver / LVDT / RVDT Input cards manufactured in an AS9100D certified facility in compliance with the VITA 42.3 PCIe for XMC specification.

These cards are ideally suited for industrial, military defense, COTS military, and commercial applications such as radar, targeting, aircraft test beds, simulation, production lines, or any application requiring accurate position feedback.

The 8 input channels can be configured in the field as single-speed synchro / resolver / LVDT / RVDT inputs. 4 channel multi-speed synchro / resolver capability is possible using adjacent pairs of inputs with multi-speed ratios from 2 - 255

Our converters offer excellent tracking regardless of speed or acceleration. Each channel can accept a broad range of reference frequencies for either synchro or resolver input. An on-board synthetic reference is implemented on a per-channel basis which allows for multiple concurrent reference frequencies and automatic phase compensation per channel, yielding exceptional tracking characteristics.

Per-channel data outputs include angle and speed as well as diagnostic fault outputs (reference loss, signal loss, accuracy error, and angle step error). Onboard background diagnostics included, which test each input every 5° for accuracy. All inputs are monitored continuously for reference loss or signal loss which would generate a fault signal in the event of failure.

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