

BMC Communications Corp.

MIL-STD-1553 ARINC-429 RS 232-422

THE WORLD OF AVIONICS COMMUNICATION IN YOUR HAND

PC104 Universal Avionics Design Interface

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BMC Communications Corp. is pleased to introduce the first PC104 Universal Avionics Digital Interface (PC104-UADI), a plug-and-run device. The device uses a powerful 16-bit Flash RISC, low-power microcontroller. It supports a wide variety of communication protocols: MIL-STD-1553 dual redundant interface, ARINC 708/453, two transmit/receive ARINC channel protocols, such as 429/575/571/572/581/582/615, and more, and two transmit/receive RS-232. It includes extensive C libraries, DLLs, Windows, and Linux drivers. A variety of software programmable features include error injection-detection, sub-address selection, major/minor cycle frame, long loop test, class A/B, and so forth. The unit is available in commercial or industrial grade, MIL-STD-810E and EMI MIL-STD-416.

FEATURES

- | 1553 modes: BC, RT, BM, BC-RT, RT-BM, and BC-BM
- | 1553 multiple store buffers with 32-bit time-tag
- | Two independent ARINC receive transmit channels
- | Two independent RS-232 receive and transmit channels
- | ARINC RS-232, baud rate 100 Hz to 1 MHz
- | Eight I/O and analog inputs with 12-bit resolution

For more info contact: pc104uadi@bmccorp.com

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